

Checklist of Southern African millipedes (Myriapoda: Diplopoda)

by

M. L. Hamer

(Department of Arthropoda, Natal Museum, P. Bag 9070, Pietermaritzburg 3200,
South Africa; e-mail: mhamer@nmsa.org.za)

ABSTRACT

This checklist, compiled from the literature, lists all diplopod species recorded from Africa south of the Zambezi and Kunene Rivers. A total of 552 currently valid species, distributed between 71 confirmed genera, 15 families and 7 orders are included. The greatest diversity has been recorded from South Africa (60 genera, 432 species), followed by southern Mozambique (24 genera, 51 species), Zimbabwe (19 genera, 34 species), Namibia (10 genera, 16 species), Lesotho (5 genera, 8 species), Swaziland (5 genera, 6 species) and Botswana (3 genera, 5 species). An additional 7 introduced species have been recorded. References, the museum housing the type material, the type locality and all localities from which material has been recorded are provided for each species. Taxonomic problems are noted where relevant. Where there is sufficient evidence in the literature, new combinations (45) have been made. These are mainly in the former genera *Chersastus* (29) and *Alloporus* (13).

INTRODUCTION

According to Nielsen & West (1994), checklists and catalogues of particular groups of organisms are relatively inexpensive to produce and attract a high level of usage by a broad user-community. Although checklists do not allow identification, they do present the correct taxon name, thus allowing access to the literature and databases. They are also vital in biodiversity research and the preparation of inventories for regions or countries.

Taxonomic knowledge of millipedes was described by Hoffman (1984) as being at the same stage that entomological taxonomy had reached more than a century ago. The millipede fauna of Southern Africa was considered as one of the better known and the current extent of knowledge is summarised in Hamer (1997). Attems (1928 1934), Schubart (1956 1960 1966), Kraus (1960 1966), Verhoeff (1939*b,c* 1940*a,b*) and Lawrence (particularly 1953 1958 1959 1962 1965 1966 1967) made major contributions to the knowledge of the Southern African fauna. There are however, several problems associated with this literature; many nomenclatural changes have occurred subsequent to these publications, yet incorrect names are still commonly used by non-taxonomists.

The area covered by this checklist is Africa south of the Zambezi and Kunene Rivers, and includes South Africa (60 genera, 431 species), Swaziland (5 genera, 6 species), Lesotho (5 genera, 8 species), Botswana (3 genera, 6 species), Namibia (10 genera, 16 species), Zimbabwe (19 genera, 34 species) and southern Mozambique (24 genera, 51 species). Seven introduced species are recorded. The information

presented here has four functions: firstly to correct, according to the most recent literature, the nomenclature of Southern African millipedes, secondly to provide an estimate, at least as far as current knowledge allows, of millipede diversity for the subcontinent, and thirdly to give some indication of species distributions and frequency of collection. Finally, with the aid of annotations in the checklist, gaps in knowledge, and taxonomic problems, have been identified.

The checklist is based mainly on existing literature and it will therefore have limitations. Ideally, examination of all published material in order to verify records and to solve the problems identified here, should be carried out, but this would require several detailed taxonomic revisions. In addition, the inclusion of as yet unidentified material in museums would also update knowledge of species ranges. In order for the checklist to be completed to this extent, however, many years would be required and such a delay cannot be justified at a time when information on Southern African biodiversity is urgently needed.

METHODS

The checklist is arranged according to the cladistic classification of the Diplopoda by Enghoff (1984) and, at the family level, according to the hierarchy presented in Hoffman (1980). Within each family all genera are listed in alphabetical order and all species are ordered alphabetically within each genus. Subgenera are not taken into account in alphabetising genera. Below the level of order, only family, genus, species and subspecies are considered. The taxon name considered valid is the last published name of that taxon. New combinations have, however, been presented, but only when the literature has provided good reason for this. In cases where genera are almost certainly heterogeneous, new combinations, which will not retain their validity in the future, have not been created.

Relevant references are listed after each species, but citation of the original description is omitted when the original combination is still valid. Original descriptions are presented with the author separated from the date by a comma, while for other references no punctuation is used between author and date. For introduced species, for which there is often extensive taxonomic literature of little relevance in Southern Africa, only the original description and the reference in which the Southern African localities are quoted from, are listed.

In addition to all published localities being listed for each species, distribution records have also been sourced from material in the Natal Museum, most of which was identified by Dr. R. F. Lawrence. The most recent collection locality is dated under the 'distribution' section for each species. In some cases where the collection date is unknown, the date the locality was published is given and indicated by an asterisk. All South African localities are listed first, with the provinces, and within each province, the localities arranged alphabetically. In cases where there are several localities in the same area, such as the Cape Peninsula, these are listed alphabetically in parentheses after the inclusive locality name. The Kruger National Park is listed as a separate region from the two provinces which border it. Other Southern African countries from which a species has been recorded are alphabetised after the South African localities, followed by non-Southern African countries.

An index of species names lists, alphabetically, all species recorded from Southern Africa, together with a list of all genus names to which the species has been linked. The valid genus is printed in bold. Subgenera and most subspecies are excluded from the index. Species that have been synonymised are indicated by an asterisk (*) and the correct name is given in parentheses. Species which are considered *incertae sedis* are included in the list and are indicated by a '#'. For those species for which the generic position is uncertain, a '?' follows the genus in which it is placed.

The museum in which the type material of each species is deposited is presented in an abbreviated form, as are some of the provinces and parks of South Africa. Acronyms used for museum depositories of type material and for the provinces and nature parks are:

AMGS	Albany Museum, Grahamstown, South Africa
AMNH	American Museum of Natural History, New York, USA
BMNH	The Natural History Museum, London, UK
E.Cape	Eastern Cape
IEPN	Istituto di Entomologia di Portici, Napoli, Italy
ISNB	Institut Royal des Science Naturelles de Belgique, Brussels, Belgium
KNP	Kruger National Park
KZN	KwaZulu-Natal
MIZT	Museo, Istituto di Zoologia Sistemica, Universita di Torino, Turin, Italy
MNHN	Muséum National d'Histoire Naturelle, Paris, France
MRAC	Musée Royal de l'Afrique Centrale, Tervuren, Belgium
MZLU	Lund Universitets Zoologiska Museum, Sweden.
N.Cape	Northern Cape
N.Prov	Northern Province
NHMV	Naturhistorisches Museum, Vienna, Austria
NHRS	Naturhistoriska Riksmuseet, Stockholm, Sweden
NMSA	Natal Museum, Pietermaritzburg, South Africa
NWP	North West Province
PANS	Philadelphia Academy of Natural Sciences, USA
RNNP	Royal Natal National Park
RSA	Republic of South Africa
SAMC	South African Museum, Cape Town, South Africa
SMFD	Forschungsinstitut und Naturmuseum Senckenberg, Frankfurt-am-Main, Germany
TMSA	Transvaal Museum, Pretoria, South Africa
USNM	United States National Museum, Washington, USA
VMNH	Virginia Museum of Natural History, Martinsville, USA
W.Cape	Western Cape
ZMAN	Instituut voor Taxonomische Zoologie, Zoologisch Museum, Universiteit van Amsterdam, The Netherlands
ZMAS	Zoological Museum, Academy of Science, Universitetskaya, St Petersburg, Russia
ZMHB	Museum für Naturkunde der Humboldt Universität, Berlin, Germany

- ZMUH Zoologische Institut und Zoologisches Museum, Universität von Hamburg, Germany
 ZSMC Zoologische Staatssammlung München, Munich, Germany

CHECKLIST

Class: Diplopoda

Subclass: Penicillata Latreille

Order: Polyxenida Lucas, 1840

Synxenidae Silvestri, 1923

***Phryssonotus* Scudder, 1885**

Condé 1954 1959; Schubart 1966

Lophonotus Menge, 1854*Synxenus* Silvestri, 1900. Silvestri 1923; Jones 1937*Schindalmonotus* Attems, 1926. Attems 1928*Kubanus* Attems, 1926*Koubanus* Attems, 1928Type species: *Phryssonotus hystrix* (Menge, 1854) (fossil in amber)***Phryssonotus capensis* (Silvestri, 1923)**

Condé 1959; Schubart 1966

Synxenus capensis Silvestri, 1923. Marquet & Condé 1950*Schindalmonotus hystrix* Attems, 1928*Synxenus hystrix* Jones 1937*Phryssonotus hystrix* Condé 1959; Schubart 1966

Types: ? Type locality: RSA: W.Cape: nr Stellenbosch.

Distribution: RSA: E.Cape: Ntaba Kandoda nr Debe Nek. KNP: Malelane Camp. KZN: Estcourt; Hluhluwe (1951); Port Shepstone. W.Cape: Caledon; Great Winterhoek; Knysna; Montagu; Mossel Bay; Peninsula; Stellenbosch. Mozambique: Chai Chai (Masiene). Madagascar.

Polyxenidae Lucas, 1840

***Chilixenus* Silvestri, 1948a**

Nguyen Duy-Jacquemin & Condé 1967

Type species: *Chilixenus rosendinus* Silvestri, 1948a***Chilixenus schultzei* (Attems, 1909b)**

Nguyen Duy-Jacquemin & Condé 1967

Monographis schultzei Attems, 1909b. Condé 1959

Types: SAMC. Type locality: Not specified (Prince Albert material used for new combination).

Distribution: RSA: KNP: Mahlauza Pan (1961–1965). N.Cape: Steinkopf. W.Cape: Prince Albert. Botswana: Lehututu.

***Propolyxenus* Silvestri, 1948a**

Condé 1949 1959; Schubart 1966

Type species: *Propolyxenus aegeus* Silvestri, 1948a***Propolyxenus lawrencei* Condé, 1949**

Condé 1959; Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Champagne Castle.

Distribution: RSA: KNP: confluence of Sabi and Sand Rivers (1961–1965). KZN: Drakensberg (Champagne Castle).

***Saroxenus* Cook, 1896b**

Silvestri 1948b

Type species: *Saroxenus scandens* Cook, 1896b***Saroxenus cf. alluaudi* (Brölemann, 1920)**

Lawrence 1966

Types: ? *Type locality*: ?

Distribution: RSA: KNP: confluence of Sabi and Sand Rivers (1962). Possibly also Madagascar, Rodriguez and Réunion.

***Typhloxenus* Condé, 1955**

Schubart 1966

Type species: *Typhloxenus mirificus* Condé, 1955

***Typhloxenus mirificus* Condé, 1955**

Condé 1959; Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Mazongwaan Forest, nr Kranskop.

Distribution: Type locality only (1940).

***Typhloxenus modestus* Condé, 1959**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Pietermaritzburg, Bisley Valley.

Distribution: Type locality only (1955).

Subclass: Chilognatha Latreille

Infraclass: Pentazonia Brandt

Order: Sphaerotheriida Brandt, 1833

Sphaerotheriidae Brandt, 1833

***Sphaerotherium* Brandt, 1833**

Koch 1847; Pocock 1895; Attems 1928 1934; Schubart 1958a; Jeekel 1974

Oligaspis Wood, 1865

Bournellum Saussure & Zehntner, 1902

Eubournellum Attems, 1908

Neobournellum Attems, 1908

Natalobelum Verhoeff, 1924

Tetraconosoma Verhoeff, 1924

Type species: *Sphaerotherium rotundatum* Brandt, 1833

***Sphaerotherium (Tetraconosoma) alticola* Schubart, 1958a**

Types: MZLU. *Type locality*: Lesotho: Mt. Morosi, 15 miles NE Quthing, top plateau.

Distribution: Type locality only (1951).

***Sphaerotherium (Tetraconosoma) ancillare* Attems, 1928**

Schubart 1958a

Sphaerotherium ancillare Attems, 1928

Types: SAMC. *Type locality*: RSA: W.Cape: Peninsula (not specified).

Distribution: RSA: W.Cape: Peninsula (Newlands; Table Mtn above Klaastensbosch (both 1928*)).

***Sphaerotherium (Sphaerotherium) apicale* Silvestri, 1910**

Schubart 1958a

Sphaerotherium apicale Silvestri, 1910. Attems 1928

Types: ZMUH. *Type locality*: Mozambique: Maputo.

Distribution: RSA: KNP: Godleni; Gumbandevu; Letaba (1961); Madziringwepoort; Mahlakuza Pan; Pafuri; Saselandongapoort. Mozambique: Maputo.

***Sphaerotherium (Sphaerotherium) boerium* Silvestri, 1910**

Schubart 1958a

Sphaerotherium boerium Silvestri, 1910. Attems 1928

Types: IEPN. *Type locality*: RSA: Gauteng: Pretoria.

Distribution: Type locality only (1910*).

***Sphaerotherium (Tetraconosoma) capense* Schubart, 1958a**

Types: MZLU. *Type locality*: RSA: W.Cape: Table Mtn, Blinkwater Ravine.

Distribution: Type locality only (1951).

Note: Schubart (1958) suggested that this species may be a synonym of *S. monticola* Pocock, 1895, which was collected from the same locality. The latter species was considered as *incertae sedis* by Attems (1928).

***Sphaerotherium (Tetraconosoma) cinctellum* Silvestri, 1910**

Schubart 1958a

Sphaerotherium cinctellum Silvestri, 1910. Attems 1928 1937*Types:* IEPN. *Type locality:* RSA: W.Cape: Knysna.*Distribution:* RSA: E.Cape: Humansdorp (Coldstream). W.Cape: George; Knysna (1972*).***Sphaerotherium (Sphaerotherium) civicum* Attems, 1928**

Schubart 1958a

Sphaerotherium civicum Attems, 1928*Types:* SAMC. *Type locality:* RSA: E.Cape: Burgersdorp.*Distribution:* Type locality only (1928*).***Sphaerotherium (Tetraconosoma) commune* Attems, 1928**

Schubart 1958a

Sphaerotherium commune Attems, 1928*Types:* SAMC. *Type locality:* Not specified.*Distribution:* RSA: W.Cape: Bredasdorp; Caledon (Houw Hoek; Venster Ravine); Cedarberg (Keurbosch Kraal River); Ceres; Gordons Bay; Graaff Reinet; Great Winterhoekberg (Tulbagh); Hottentots Holland Mts between Steenbras River and Gordons Bay; Langeberg (Tradouw Pass (1951)); Montagu; Mossel Bay; Peninsula (Kalk Bay; Table Mtn); Stellenbosch; Swellendam; Victoria West (Wagenaars Kraal).***Sphaerotherium (Sphaerotherium) coniferum* Silvestri, 1910**

Schubart 1958a

Sphaerotherium coniferum Silvestri, 1910. Attems 1928*Types:* IEPN. *Type locality:* Mozambique: Maputo.*Distribution:* Mozambique: Maputo; Zandemela nr Limpopo River (1928*).***Sphaerotherium (Tetraconosoma) convexitarsum* Silvestri, 1910**

Schubart 1958a

Sphaerotherium convexitarsum Silvestri, 1910. Attems 1928*Types:* IEPN. *Type locality:* RSA: E.Cape: Port Elizabeth.*Distribution:* RSA: E.Cape: Grahamstown; Port Alfred (1981); Port Elizabeth (Humewood; Walmer); Zuurberg Mts.***Sphaerotherium (Sphaerotherium) dicrothrix* Attems, 1928**

Schubart 1958a

Sphaerotherium dicrothrix Attems, 1928*Types:* SAMC. *Type locality:* RSA: N.Prov: Acomhoek.*Distribution:* Type locality only (1928*).***Sphaerotherium (Sphaerotherium) dingonum* Silvestri, 1910**

Schubart 1958a

Sphaerotherium dingonum Silvestri, 1910. Attems 1928*Types:* IEPN. *Type locality:* RSA: W.Cape: Knysna.*Distribution:* Type locality only (1910*).***Sphaerotherium (Sphaerotherium) dorsale* (Gervais, 1847)**

Schubart 1958a

Zephronia dorsalis Gervais, 1847*Zephronia puverea* White, 1859*Sphaerotherium retusum* Koch, 1863. Bourne 1885*Sphaerotherium dorsale* Porat 1872; Silvestri 1910; Attems 1928 1934; Haacker 1968*Types:* ? *Type locality:* RSA: 'Caffraria'.*Distribution:* RSA: E.Cape: Coldstream; Kentani; Kologha Forest; Pirie Forest; Port Elizabeth; Port St Johns. KZN: Bulwer; Dargle; Drakensberg (Cathkin Peak; Champagne Castle); Durban (Bluff); Hluhluwe; Kosi Bay; Kranskop; Margate; Ngome Forest; Nkhandla Forest; Nottingham Road (1977); Pietermaritzburg; Pinetown; Port Edward; Port Shepstone; Umbilo; Van Reenen; Verulam. W.Cape: Knysna.***Sphaerotherium (Tetraconosoma) dorsaloide* Silvestri, 1910**

Schubart 1958a

Sphaerotherium dorsaloide Silvestri, 1910. Attems 1928*Types:* IEPN. *Type locality:* RSA: W.Cape: Knysna.*Distribution:* RSA: E.Cape: Tsitsikama Forest (1951). KZN: Drakensberg (Cathedral Peak; Cathkin

Peak; Champagne Castle). W.Cape: Bloukrans River, 20 miles ENE Plettenberg Bay (1951); Groot River, 12 miles NE Plettenberg Bay (1951); Hottentots Holland Mts; Knysna; Mossel Bay; Peninsula (Newlands); Riviersonderend; Swellendam.

***Sphaerotherium (Sphaerotherium) eremita* Attems, 1928**

Schubart 1958a

Sphaerotherium eremita Attems, 1928

Types: SAMC. Type locality: RSA: W.Cape: Table Mtn, Newlands.

Distribution: Type locality only (1928*).

***Sphaerotherium (Tetraconosoma) eucalyptophilum* Schubart, 1958a**

Types: MZLU. Type locality: RSA: N.Prov: Soutpansberg, Punch Bowl, 6 miles NNE Louis Trichardt.

Distribution: Type locality only (1951).

***Sphaerotherium (Tetraconosoma) fulvum* Schubart, 1958a**

Types: MZLU. Type locality: RSA: E.Cape: Zuurberg Pass, 15 miles N Addo.

Distribution: Type locality only (1951).

***Sphaerotherium (Sphaerotherium) giganteum* Porat, 1872**

Schubart 1958a

Sphaerotherium giganteum Porat, 1872. Silvestri 1910; Attems 1928 1934

Types: ? Type locality: RSA: 'Caffraria'.

Distribution: RSA: E.Cape: Ntaba Kandoda; Port St Johns. KZN: Dargle; Durban; Eshowe; Griqualand (Rietvlei); Hluhluwe; Krantzkop; Margate; M'fongosi; Nkhandla Forest; Pietermaritzburg (1962); Port Shepstone; Richards Bay; St Lucia; Umzimkulu; York. Mpumalanga: Barberton; Nelspruit. N.Prov: Shilowane nr Leydsdorp. Mozambique. Swaziland: Hlatikulu.

***Sphaerotherium (Tetraconosoma) granulatum* Pocock, 1895**

Schubart 1958a

Sphaerotherium granulatum Pocock, 1895. Silvestri 1910; Attems 1928

Types: ZMUH. Type locality: RSA: E.Cape: Port Elizabeth.

Distribution: Type locality only (1895*).

***Sphaerotherium (Tetraconosoma) hanströmi* Schubart 1958a**

Types: MZLU. Type locality: RSA: KZN: Pietermaritzburg, Town Bush.

Distribution: Type locality only (1965).

***Sphaerotherium (Tetraconosoma) intermedium* Porat, 1872**

Schubart 1958a

Sphaerotherium intermedium Porat, 1872. Silvestri 1910; Attems 1928

Types: ? Type locality: 'Caput bonae Spei'.

Distribution: RSA: W.Cape: Peninsula (1910*).

***Sphaerotherium (Tetraconosoma) kitharistes* Attems, 1928**

Schubart 1958a

Sphaerotherium kitharistes Attems, 1928

Types: SAMC. Type locality: Mozambique: Macequece.

Distribution: Type locality only (1928*).

***Sphaerotherium krugeri* Lawrence, 1966**

Types: NMSA. Type locality: RSA: KNP: Gomondwane.

Distribution: Type locality only (1964).

***Sphaerotherium (Tetraconosoma) mahaium* Schubart, 1958a**

Types: MZLU. Type locality: RSA: KZN: Drakensberg, RNNP, Mahai River, the Cascades.

Distribution: Type locality only (1951).

***Sphaerotherium (Tetraconosoma) millepunctatum* Attems, 1928**

Schubart 1958a

Sphaerotherium millepunctatum Attems, 1928. Attems 1934

Types: SAMC. Type locality: Mozambique: Masiene nr Chai Chai.

Distribution: RSA: KZN: Van Reenen (1937). Mozambique: Chai Chai (Masiene).

***Sphaerotherium (Sphaerotherium) modestum* Attems, 1928**

Schubart 1958a

Sphaerotherium modestum Attems, 1928

Types: SAMC. *Type locality*: RSA: N.Prov: Soutpansberg dist, 20 miles E Pietersburg.

Distribution: RSA: KNP: Mukutwanine koppies; Msimbit Forest, 2 miles S Pafuri; Saselandongapoort (1963); Skukuza Camp. N.Prov: 20 miles E Pietersburg.

Sphaerotherium narcissei Alderweireldt, 1997

Types: MRAC. *Type locality*: Zimbabwe: Melsetter, 64 km N Chipinga.

Distribution: Type locality only (1960).

Sphaerotherium (Tetraconosoma) nigritarse Schubart, 1958a

Types: MZLU. *Type locality*: RSA: W.Cape: Hermanus.

Distribution: Type locality only (1950).

Sphaerotherium (Tetraconosoma) perbrincki Schubart, 1958a

Types: MZLU. *Type locality*: RSA: KZN: Drakensberg, RNNP, Gudu Falls area.

Distribution: Type locality only (1951).

Sphaerotherium (Sphaerotherium) permodestum Silvestri, 1910

Schubart 1958a

Sphaerotherium permodestum Silvestri, 1910. Attems 1928

Types: IEPN. *Type locality*: RSA: Transvaal, no details.

Distribution: Type locality only (1910*).

Sphaerotherium (Tetraconosoma) pinnatum Schubart, 1958a

Types: MZLU. *Type locality*: Not specified.

Distribution: RSA: E.Cape: Van Stadens Pass, 25 miles W Port Elizabeth (1951). W.Cape: Bloukrans River, 20 miles ENE Plettenberg Bay (1951).

Sphaerotherium (Tetraconosoma) plagiarium Silvestri, 1910

Schubart 1958a

Sphaerotherium plagiarium Silvestri, 1910. Attems 1928

Types: IEPN. *Type locality*: RSA: W.Cape: Knysna.

Distribution: RSA: W.Cape: Knysna; Riviersonderend (both 1928*).

Sphaerotherium (Sphaerotherium) punctulatum Brandt, 1841

Schubart 1958a

Sphaerotherium punctulatum Brandt, 1841; Porat 1872; Silvestri 1910; Attems 1928 1934; Warren 1934

Natalobelum punctulatum Verhoeff 1926

Types: ZMAS. *Type locality*: RSA: 'Caffraria'.

Distribution: RSA: KZN: Amanzimtoti; Durban; Lower Illovo; Margate; Nkhandla Forest; Port Shepstone; Scottburgh; Umgababa; Umhlanga (1966); Umzimkulu. Lesotho.

Sphaerotherium (Tetraconosoma) rotundatum Brandt, 1833

Schubart 1958a

Sphaerotherium pubescens Porat, 1872

Sphaerotherium viride Porat, 1872

Sphaerotherium rotundatum Brandt, 1833. Porat 1872; Silvestri 1910; Attems 1928 1934

Types: ZMAS. *Type locality*: no details.

Distribution: RSA: E.Cape: Hogsback; Kentani; Kologha Forest (1962); Port St Johns. Gauteng: Johannesburg. KZN: Bulwer; Durban; Escourt; Ingwavuma; Kokstad; Krantzkop; M'fongosi; Ngeli Forest; Nkhandla Forest; Pietermaritzburg; Pongola River nr Ubombo; Port Shepstone; Umhlali. W.Cape: Knysna.

Note: Whether Silvestri's and Porat's *rotundatum* are the same species as each other, and as that of Brandt is uncertain. Attems (1928) stated that the descriptions of both former authors are of little use.

Sphaerotherium (Sphaerotherium) rudebecki Schubart, 1958a

Types: MZLU. *Type locality*: Lesotho: Quthing.

Distribution: RSA: KZN: Cedarville (1963). Lesotho: Quthing.

Sphaerotherium selindum Alderweireldt, 1997

Types: MRAC. *Type locality*: Zimbabwe: Mount Selinda, Chirinda Forest.

Distribution: Type locality only (1960).

Sphaerotherium (Tetraconosoma) similare Schubart, 1958a

Types: MZLU. *Type locality*: RSA: E.Cape: Tsitsikama Forest.

Distribution: RSA: E.Cape: Tsitsikama Forest, Stormsriver and Stormsriver Peak (1966).

***Sphaerotherium (Sphaerotherium) solitarium* Attems, 1928**

Schubart 1958a

Sphaerotherium solitarium Attems, 1928*Types*: SAMC. *Type locality*: RSA: N.Prov: Shilowane nr Leydsdorp.*Distribution*: RSA: KNP: Hippo Pool nr Krokodilbrug (1962–1965). N.Prov: Shilowane.***Sphaerotherium (Tetraconosoma) spinatum* Silvestri, 1910**

Schubart 1958a

Sphaerotherium spinatum Silvestri, 1910. Attems 1928*Types*: IEPN. *Type locality*: RSA: E.Cape: Port Elizabeth.*Distribution*: RSA: E.Cape: Dunbrody on Sundays River; Graaff-Reinet; Koega; (all 1928*); Port Elizabeth.***Sphaerotherium (Tetraconosoma) steppense* Schubart, 1958a***Types*: MZLU. *Type locality*: RSA: E.Cape: 15 miles S Middleton.*Distribution*: Type locality only (1951).***Sphaerotherium (Sphaerotherium) subdorsale* Silvestri, 1910**

Schubart 1958a

Sphaerotherium subdorsale Silvestri, 1910. Attems 1928*Types*: IEPN. *Type locality*: RSA: Transvaal, no details.*Distribution*: RSA: E.Cape: East London; Hogsback; Port Elizabeth (1962); Umngazi River Mouth. W.Cape: Knysna main forest.***Sphaerotherium (Tetraconosoma) submite* Silvestri, 1910**

Schubart 1958a

Sphaerotherium submite Silvestri, 1910. Attems 1928*Types*: IEPN. *Type locality*: RSA: W.Cape: Knysna.*Distribution*: Type locality only (1910*).***Sphaerotherium (Tetraconosoma) tenuitarse* Silvestri, 1910**

Schubart 1958a

Sphaerotherium tenuitarse Silvestri, 1910. Attems 1928 1934*Types*: IEPN. *Type locality*: RSA: W.Cape: Knysna.*Distribution*: RSA: E.Cape: Doornek, Zuurburg range. KZN: Kranskop; Margate (both 1934*). N.Prov: Louis Trichardt; Venterskroon; Soutpansberg dist., 20 miles from Pietersburg. W.Cape: Knysna; Swellendam.***Sphaerotherium (Sphaerotherium) tomentosum* Schubart, 1958a***Types*: MZLU. *Type locality*: RSA: KZN: Drakensberg, RNNP, Gudu Falls.*Distribution*: RSA: KZN: Drakensberg, RNNP (Gudu Falls; Tugela River) (1951); Pietermaritzburg, Town Bush.***Sphaerotherium (Tetraconosoma) trichopygum* (Attems, 1908)**

Schubart 1958a

Bournellum trichopygum Attems, 1908*Sphaerotherium compressum* Silvestri, 1910*Sphaerotherium trichopygum* Attems 1928*Types*: ? *Type locality*: RSA: W.Cape: Simonstown, Millars Point.*Distribution*: RSA: W.Cape: 7 miles SW Bredasdorp (1950); Cedarberg, Krakadouw Pass; Peninsula (Simonstown; St James).***Sphaerotherium (Tetraconosoma) tuberosum* Attems, 1928**

Schubart 1958a

Sphaerotherium tuberosum Attems, 1928*Types*: ? *Type locality*: no details.*Distribution*: RSA: W.Cape: Table Mtn above Camps Bay. Transvaal?: Zoekmekaar (both 1928*).***Sphaerotherium (Tetraconosoma) tsitzikamum* Schubart, 1958a***Types*: MZLU. *Type locality*: RSA: E.Cape: Tsitsikama Forest, Stormsriver.*Distribution*: Type locality only (1951).***Sphaerotherium (Tetraconosoma) weberii* Silvestri, 1910**

Schubart 1958a

Sphaerotherium weberii Silvestri, 1910

Sphaerotherium weberi Attems 1928

Types: IEPN. Type locality: RSA: W.Cape: Table Mtn.

Distribution: RSA: W.Cape: Table Mtn, Wynberg cave ravine (1950).

Sphaerotherium (Tetraconosoma) weberii afoveatum Schubart, 1958a

Types: MZLU. Type locality: RSA: W.Cape: Table Mtn.

Distribution: Type locality only (1950).

Sphaerotherium (Tetraconosoma) zuluense Schubart, 1958a

Types: MZLU. Type locality: RSA: KZN: Hluhluwe Game Reserve.

Distribution: Type locality only (1950).

***Kylindotherium* Attems, 1928**

Type species: *Kylindotherium leve* Attems, 1928

***Kylindotherium leve* Attems, 1928**

Schubart 1958a

Types: SAMC. Type locality: RSA: W.Cape: Wellington, Witte River.

Distribution: Type locality only (1928*).

Sphaerotheriidae species *incertae sedis* (Attems 1928; Schubart 1958a)

Oligaspis puncticeps Wood, 1865

Sphaerotherium elongatum Brandt, 1833

Sphaerotherium grossum Koch, 1863

Sphaerotherium klugii Brandt, 1841

Sphaerotherium lichtensteinii Brandt, 1833

Sphaerotherium microstictum Brandt, 1841

Sphaerotherium monticola Pocock, 1895

Sphaerotherium nigrum Butler, 1872

Sphaerotherium obtusum Koch, 1863

Sphaerotherium punctatum Brandt, 1833

Sphaerotherium repulsum Karsch, 1881

Sphaerotherium rugulosum Brandt, 1871

Infraclass: Helminthomorpha Pocock

Order: Siphonophorida Newport, 1844

Nematozoniidae Verhoeff, 1939a

***Nematozonium* Verhoeff, 1939b**

Type species: *Nematozonium filum* Verhoeff, 1939b

***Nematozonium elongatissimum* Verhoeff, 1940a**

Schubart 1966

Types: ZSMC. Type locality: RSA: KZN: Bulwer.

Distribution: Type locality only (1940*).

***Nematozonium filum* Verhoeff, 1939b**

Schubart 1966

Types: ZSMC. Type locality: RSA: KZN: Drakensberg, Cathkin Peak.

Distribution: RSA: KZN: Drakensberg (Cathedral Peak; Cathkin Peak; Champagne Castle); Pietermaritzburg. Mpumalanga: Barberton (1960); Graskop (1960).

Order: Polyzoniida Gervais, 1844

Siphonotidae Cook, 1895

***Burinia* Attems, 1926**

Burenia Attems 1928; Schubart 1966

Megaclia Attems, 1951

Pampiconus Chamberlin, 1957

Type species: *Burinia nasutus* (Attems, 1928)

Note: Hoffman (1980) presented the original spelling as correct for this genus.

Burinia attemsi* (Verhoeff, 1937)Burenia attemsi* Verhoeff, 1937. Schubart 1966

Types: SAMC. Type locality: RSA: W.Cape: Hermanus.

Distribution: RSA: W.Cape: Franschhoek; Hermanus; Riviersonderend (all 1937*).

Burinia nasutus* (Attems, 1928)Burenia nasuta* Attems, 1928*Burenia nasutus* Schubart 1966

Types: SAMC. Type locality: RSA: W.Cape: Knysna.

Distribution: RSA: W.Cape: Knysna; Stormsriver Mouth (1960).

***Cylichnogaster* Verhoeff, 1937**

Schubart 1966

Type species: *Cylichnogaster lawrencei* Verhoeff, 1937***Cylichnogaster lawrencei* Verhoeff, 1937**

Schubart 1966

Types: ZSMC. Type locality: RSA: W.Cape: Peninsula, Chapman's Peak.

Distribution: Type locality only (1937*).

***Cylichnogaster nigricornis* Schubart, 1966**

Types: MZLU. Type locality: RSA: E.Cape: Tsitsikama Forest, Stormsriver Peak.

Distribution: Type locality only (1951).

***Rhynchomecogaster* Verhoeff, 1937**

Schubart 1966

Type species: *Rhynchomecogaster gracile* Verhoeff, 1937***Rhynchomecogaster gracile* Verhoeff, 1937**

Schubart 1966

Types: ZSMC. Type locality: RSA: W.Cape: Peninsula, Noordhoek, S of Chapman's Peak.

Distribution: RSA: W.Cape: Bredasdorp; Hermanus; Peninsula (Noordhoek; Wynberg Ravine (1951)); Riviersonderend.

***Rhynchomecogaster lawrencei* Verhoeff, 1939b**

Schubart 1966

Types: ZSMC. Type locality: RSA: KZN: Drakensberg, Cathkin Peak.

Distribution: RSA: KZN: Drakensberg (Cathkin Peak (1942); Little Tugela Valley).

Superorder: Merocheta Cook, 1895

Order Polydesmida Leach, 1815

Gomphodesmidae Cook, 1896a

***Antiphonus* Attems, 1901**

Attems 1928 1938a

Type species: *Antiphonus diploconus* Attems, 1901***Antiphonus capensis* Lawrence, 1959**

Schubart 1966

Types: TMSA. Type locality: RSA: W.Cape: Jonkershoek.

Distribution: Type locality only (1940).

***Antiphonus circulus* Attems, 1928**

Attems 1938a

Types: SAMC. Type locality: RSA: E.Cape: Port St Johns.

Distribution: Type locality only (1928*).

***Antiphonus conatus* Attems, 1928**

Attems 1938a

Types: SAMC. Type locality: Not specified.

Distribution: RSA: W.Cape: Caledon; George; Pacaltsdorp (all 1928*).

***Antiphonus diploconus* Attems, 1901**

Attems 1928 1938a

Types: ? Type locality: RSA: E.Cape: Port Elizabeth.

Distribution: Type locality only (1901*).

Aulodesmus Cook, 1896a

Cook 1899b; Attems 1928 1929 1938a; Hoffman 1966 1984

Omodesmus Cook, 1899bType species: *Aulodesmus mossambicus* (Peters, 1855)***Aulodesmus mossambicus* (Peters, 1855)**

Cook 1896a 1899b; Attems 1938a; Hoffman 1966 1984

Polydesmus mossambicus Peters, 1855*Eurydesmus mossambicus* Peters 1862; Karsch 1881; Attems 1899*Aulodesmus laticollis* Attems, 1928*Aulodesmus mossambicus mossambicus* Hoffman 1966*Aulodesmus mossambicus laticollis* Hoffman 1966

Types: ZMUH. Type locality: Mozambique.

Distribution: Mozambique: Cabaceira; Mtuwo Mts (1964); Quelimane; 15 miles SE Vila Manica; Xiwho, 65 miles NW Beira. Zimbabwe: Harare; Motarashangu; Mutare; Salone Forest nr Chipinga. Malawi. Tanzania.

***Aulodesmus oxygonus* (Peters, 1862)**

Cook 1896a; Attems 1928; Hoffman 1966 1984

Eurydesmus oxygonus Peters, 1862*Omodesmus oxygonus* Cook 1897 1899b

Types: ZMUH. Type locality: Mozambique: Rios de Sena.

Distribution: Mozambique: Rios de Sena. Zimbabwe: Harare; Mutare. Malawi. Tanzania: Zanzibar.

***Aulodesmus perarmatus* Hoffman, 1966**

Hoffman 1984

Types: ZMUH. Type locality: Mozambique: Nangororo Farm nr Porto Amelia.

Distribution: Mozambique: Moçimba da Praia; Nangororo Farm nr Port Amelia. Zimbabwe: Mutare, Burma Valley (1972).

***Aulodesmus peringueyi* Attems, 1928**

Attems 1938a; Hoffman 1966 1984

Types: SAMC. Type locality: Zimbabwe: Mutare.

Distribution: Type locality only (1902).

Neodesmus Cook, 1897

Cook 1899b; Schubart 1956

Eurydesmus Peters, 1862Type species: *Neodesmus juvenis* Cook, 1899b***Neodesmus cafrarius* (Porat, 1872)**

Cook 1899b; Attems 1928 1937

Eurydesmus cafrarius Porat, 1872. Attems 1899*Sphenodesmus cafrarius* Cook 1895

Types: ? Type locality: RSA: 'Caffraria'.

Distribution: type material only (1872*).

Note: Generic position uncertain (Cook 1899b).

***Neodesmus juvenis* Cook, 1899b**

Attems 1928

Eurydesmus mossambicus juveniles Peters, 1862

Types: USNM. Type locality: Not specified.

Distribution: Mozambique: Cabaceira; Querimba; Rios de Sena; Tette (1899*).

***Neodesmus mossambicus* Lawrence, 1962**

Types: NMSA. Type locality: Mozambique: Maromeru dist., Salone Forest on the Zambezi.

Distribution: Type locality only (1960).

***Ulodesmus* Cook, 1899b**

Attems 1928 1934 1938; Verhoeff 1939c 1940a; Lawrence 1953; Schubart 1956

Type species: *Ulodesmus micramma* Cook, 1899b

***Ulodesmus anodontus* Lawrence, 1953**

Types: NMSA. Type locality: RSA: KZN: Pietermaritzburg, Otto's Bluff.

Distribution: Type locality only (1942).

***Ulodesmus biconus* Attems, 1928**

Attems 1934 1937; Lawrence 1953

Types: SAMC. Type locality: RSA: KZN: Inchanga.

Distribution: RSA: KZN: Drummond (1959); Inchanga.

***Ulodesmus biconus ramidens* Lawrence, 1953**

Types: NMSA. Type locality: RSA: KZN: Richards Bay.

Distribution: Type locality only (1943).

***Ulodesmus bispinosus* Attems, 1928**

Attems 1937; Lawrence 1953

Types: SAMC. Type locality: RSA: KZN: Pietermaritzburg.

Distribution: RSA: KZN: Bothas Hill (1964); Pietermaritzburg (gardens; Swartkops; Town Bush); Richmond.

***Ulodesmus cultrifer* Lawrence, 1963**

Types: NMSA. Type locality: RSA: KZN: Pietermaritzburg.

Distribution: Type locality only (1962).

***Ulodesmus debilis* Lawrence, 1962**

Types: NMSA. Type locality: RSA: N.Prov: Louis Trichardt.

Distribution: Type locality only (1960).

***Ulodesmus denticulatus* Verhoeff, 1939a**

Attems 1940; Lawrence 1953

Types: NMSA. Type locality: RSA: KZN: Nkhandla Forest.

Distribution: Type locality only (1939).

***Ulodesmus fossor* Lawrence, 1958**

Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Pietermaritzburg, Oribi airport.

Distribution: Type locality only (1957).

***Ulodesmus incurvipes* Verhoeff, 1940a**

Lawrence 1958

Ulodesmus (Anakamptopus) incurvipes Verhoeff, 1940a

Types: ZSMC. Type locality: Swaziland, no details.

Distribution: Swaziland: Mbabane (1964).

***Ulodesmus lawrencei* Verhoeff, 1939a**

Attems 1940; Lawrence 1953 1958

Types: NMSA. Type locality: RSA: KZN: Hluhluwe Game Reserve.

Distribution: RSA: KZN: Dukuduku Forest; Hluhluwe (1965); Nkhandla Forest.

***Ulodesmus macrodontus* Lawrence, 1966**

Types: NMSA. Type locality: RSA: KNP: Klawerpan.

Distribution: Type locality only (1962).

***Ulodesmus major* Lawrence, 1953**

Types: NMSA. Type locality: RSA: KZN: Pietermaritzburg suburbs.

Distribution: Type locality only (1940).

***Ulodesmus margatensis* Attems, 1934**

Attems 1937; Lawrence 1953

Types: NMSA. Type locality: RSA: KZN: Margate.

Distribution: RSA: KZN: Margate; Port Edward (1944).

***Ulodesmus micramma bothae* Lawrence, 1962**

Types: NMSA. Type locality: RSA: KZN: Bothas Hill.

Distribution: Type locality only (1962*).

Note: Lawrence (1962) considered the material illustrated by Attems (1934) from Kranskop as belonging to a fourth subspecies, but since this material could not be located, he did not name this subspecies.

***Ulodesmus micramma micramma* Cook, 1899b**

Lawrence 1962

Ulodesmus micramma Cook, 1899b. Attems 1934; Lawrence 1953

Types: ZMUH. *Type locality*: RSA: KZN: Pietermaritzburg or Durban (not designated).

Distribution: RSA: KZN: Durban or Pietermaritzburg (1899*).

***Ulodesmus micramma zuluensis* Lawrence, 1962**

Types: NMSA. *Type locality*: RSA: KZN: Hluhluwe.

Distribution: RSA: KZN: Dukuduku Forest; Hluhluwe (1962*).

***Ulodesmus munroi* Lawrence, 1963**

Types: NMSA. *Type locality*: RSA: KZN: Durban.

Distribution: Type locality only (1957).

***Ulodesmus natalensis* Lawrence, 1953**

Lawrence 1958

Types: NMSA. *Type locality*: RSA: KZN: Kranskop.

Distribution: Type locality only (1954).

***Ulodesmus natalensis microdens* Lawrence, 1953**

Types: NMSA. *Type locality*: RSA: KZN: Karkloof.

Distribution: Type locality only (1936).

***Ulodesmus pluridens* Lawrence, 1953**

Types: NMSA. *Type locality*: RSA: KZN: Port Edward.

Distribution: Type locality only (1944).

***Ulodesmus pretorianus* Lawrence, 1966**

Types: NMSA. *Type locality*: RSA: KNP: Pretoriuskop.

Distribution: Type locality only (1963).

***Ulodesmus propinquus* Lawrence, 1962**

Types: NMSA. *Type locality*: RSA: N.Prov: Magoebaskloof.

Distribution: Type locality only (1960).

***Ulodesmus robustus* Lawrence, 1958**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Gwaliweni Forest.

Distribution: Type locality only (1957).

***Ulodesmus schubarti* Lawrence, 1958**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Kranskop.

Distribution: Type locality only (1954).

***Ulodesmus securifer* Attems, 1928**

Attems 1934 1937

Types: SAMC. *Type locality*: RSA: KZN: Port Shepstone.

Distribution: RSA: KZN: Mid-Illovo (1917); Port Shepstone.

***Ulodesmus securifer minor* Lawrence, 1953**

Types: NMSA. *Type locality*: RSA: KZN: Bulwer.

Distribution: Type locality only (1936).

***Ulodesmus simplex* Lawrence, 1953**

Types: NMSA. *Type locality*: RSA: KZN: Drakensberg, Champagne Castle.

Distribution: Type locality only (1958).

***Ulodesmus singulus* Lawrence, 1966**

Types: NMSA. *Type locality*: RSA: KNP: Malelane, nr Nbyamite causeway.

Distribution: RSA: KNP: Malelane (1963); Nwanetzi Dam area.

***Ulodesmus spiralipes* Verhoeff, 1939a**

Attems 1940; Lawrence 1953

Types: NMSA. *Type locality*: RSA: KZN: Umhlali, Compensation Beach.

Distribution: Type locality only (1939).

***Ulodesmus transvaalensis* Schubart, 1956**

Types: MZLU. *Type locality*: RSA: Mpumalanga: 15 miles SE Lydenberg.

Distribution: Type locality only (1951).

Paradoxosomatidae Daday, 1889

***Aklerobunus* Attems, 1931**

Jeekel 1968; Hoffman 1968

Dysthymus Attems, 1929. Attems 1931 1937; Schubart 1966

Matabelopus Verhoeff, 1938

Morogosoma Verhoeff, 1941a

Type species: *Aklerobunus spectabilis* (Attems, 1929)

***Aklerobunus rhodesianus* (Attems, 1928)**

Jeekel 1968; Hoffman 1968

Habrodesmus rhodesianus Attems, 1928. Attems 1929 1937; Lawrence 1962

Matebelopus rhodesianus Verhoeff 1938

Types: SAMC (slide in NHMV). *Type locality*: Zimbabwe: Harare.

Distribution: Type locality only (1928*).

***Cnemodesmus* Cook, 1896a**

Hoffman 1953 1968; Kraus 1958b; Jeekel 1968

Dysthymus Attems, 1929

Lundacus Chamberlin, 1951

Type species: *Cnemodesmus thysanopus* (Cook & Collins, 1893)

***Cnemodesmus riparius* Shelley & Crawford, 1996**

Types: USNM. *Type locality*: Namibia: Namib Desert Research Station at Gobabeb, 235 km WSW Windhoek, along Kuiseb River.

Distribution: Namibia: Namib Desert, along drainage of Kuiseb and Gaub Rivers (1994).

***Ectodesmus* Cook, 1898**

Attems 1937; Jeekel 1968

Congolina Attems, 1938b

Type species: *Ectodesmus extortus* Cook, 1898

***Ectodesmus cataractae* (Schubart, 1956)**

Jeekel 1968

Phaeodesmus cataractae Schubart, 1956

Types: MZLU. *Type locality*: Zimbabwe: Victoria Falls.

Distribution: Type locality only (1951).

***Hoffmanina* Jeekel, 1968**

Type species: *Hoffmanina gorongozae* (Lawrence, 1962)

***Hoffmanina gorongozae* (Lawrence, 1962)**

Jeekel 1968

Orthomorpha gorongozae Lawrence, 1962

Types: NMSA. *Type locality*: Mozambique: Gorongoza Mtn.

Distribution: Type locality only (1957).

***Phaeodesmus* Cook, 1898**

Attems 1928 1937; Schubart 1956; Hoffman 1968; Jeekel 1968

Type species: *Phaeodesmus longipes* (Attems, 1896)

***Phaeodesmus alatus* (Attems, 1928)**

Hoffman 1968; Jeekel 1968

Podochresimus alatus Attems, 1928

Types: SAMC. *Type locality*: Mozambique: Inhambane.

Distribution: Type locality only (1928*).

***Phaeodesmus longipes* (Attems, 1896)**

Attems 1928; Jeekel 1968

Orthomorpha longipes Attems, 1896*Types*: ZMUH. *Type locality*: Mozambique: Quelimane.*Distribution*: Type locality only (1896*).***Phaeodesmus subtropicus* Lawrence, 1966**

Jeekel 1968

Types: NMSA. *Type locality*: RSA: KNP: confluence of Levubu and Limpopo Rivers, Pafuri area.*Distribution*: Type locality only (1962).***Podochresimus* Attems, 1926**

Attems 1928 1929 1934 1937; Schubart 1956; Hoffman 1968; Jeekel 1968

Type species: *Podochresimus fruticinus* Attems, 1926***Podochresimus aculeatus* Attems, 1928**

Attems 1937; Hoffman 1968; Jeekel 1968

Types: SAMC. *Type locality*: RSA: W.Cape: Clanwilliam.*Distribution*: Type locality only (1928*).***Podochresimus capensis* (Porat, 1893)**

Hoffman 1968

Strongylosoma cylindraceum var capensis Porat, 1893. Jeekel 1968*Podochresimus republicanus* Attems, 1928. Schubart 1956 1966; Jeekel 1968*Types*: NHRS. *Type locality*: RSA: W.Cape: Cape Town.*Distribution*: RSA: W.Cape: Ashton (Kogmans Kloof); Caledon (Houw Hoek); Jonkershoek (1956); Peninsula (Camps Bay; Devil's Peak; Hout Bay; Table Mtn; Wynberg).*Note*: Jeekel (1968) considered the generic position of this species to be uncertain.***Podochresimus conjungens* Attems, 1944***Types*: NHMV. *Type locality*: RSA: W.Cape: Riversdale Mts.*Distribution*: Type locality only (1944*).***Podochresimus fruticinus* Attems, 1926**

Jeekel 1968; Hoffman 1968

Podochresimus fonticinus Attems, 1928*Types*: SAMC. *Type locality*: RSA: 'Kapland'.*Distribution*: RSA: W.Cape: Stellenbosch; Tulbagh (1928*).***Podochresimus unistolonus* Attems, 1944**

Lawrence 1962; Jeekel 1968

Types: NHMV. *Type locality*: Namibia: Sesfontein and Camaeis, not specified.*Distribution*: Type localities only (1944*).**Paradoxosomatidae species belonging to uncertain genera****'*Habrodesmus*' *alatipes* Lawrence, 1953***Dysthymus alatipes* Jeekel 1968*Type*: NMSA. *Type locality*: RSA: KZN: Kranskop, Mazongwaan forest.*Distribution*: Type locality only (1940).*Note*: generic position of this species considered uncertain by Jeekel (1968) and his placement of it in *Dysthymus* was described as tentative. Since Hoffman (1980) did not consider *Dysthymus* a valid genus, *alatipes* has been here left in *Habrodesmus*.**'*Habrodesmus*' *niger* (Attems, 1928)**

Jeekel 1968

Phaeodesmus niger Attems, 1928*Types*: SAMC. *Type locality*: Not specified.*Distribution*: Namibia: Kunene River, Otjimbumbé; Namutoni; Sandup; (all 1928*).**'*Habrodesmus*' *perexiguus* Lawrence, 1966**

Jeekel 1968

Types: NMSA. *Type locality*: RSA: KNP: Pretoriusskop.*Distribution*: Type locality only (1963).

'Habrodesmus' semiflavus (Attems, 1944)

Jeekel 1968

Phaeodesmus niger semiflavus Attems, 1944*Types*: NHMV. *Type locality*: Namibia: Kaoko Otavi.*Distribution*: Type locality only (1944*).

Note: Jeekel (1968) suggested that *niger* and *semiflavus* belong to an unnamed genus, while *perexiguus* cannot be allocated to any known genera from the subcontinent. Those species which do belong to *Habrodesmus* do not occur in Southern Africa.

'Pagioprium' millequingentesimum Attems, 1944

Jeekel 1968

Types: NHMV. *Type locality*: Namibia: Kaokoveld, Outjo.*Distribution*: Type locality only (1944*).

Note: Jeekel (1968) stated that this paradoxasomatid probably belongs to an unnamed genus, but it definitely does not belong to *Pagioprium*, which is a synonym for *Tectoporus*, a genus confined to Java, Sumatra and Celebes.

Species for which gonopods not illustrated or based on females only:*Habrodesmus aculeatus* (Peters, 1855)*Strongylosoma punctatum* Attems, 1901**Pyrgodesmidae Silvestri, 1896a*****Attemsodesmus* Lawrence, 1953***Type species*: *Attemsodesmus minutus* Lawrence, 1953***Attemsodesmus minutus* Lawrence, 1953***Types*: NMSA. *Type locality*: RSA: KZN: Port Edward.*Distribution*: Type locality only (1944).**Dalodesmidae Cook, 1896a*****Allawrencius* Verhoeff, 1939a**

Attems 1940; Lawrence 1953; Schubart 1956

Type species: *Allawrencius nodulosus* Verhoeff, 1939a***Allawrencius complex* Lawrence, 1953**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Ngoye Forest.*Distribution*: RSA: KZN: Hluhluwe Game Reserve; Kranskop; Ngome Forest; Ngoye Forest; Qudeni Forest (1953).***Allawrencius gladiator* Lawrence, 1958**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Hluhluwe Game Reserve.*Distribution*: Type locality only (1957).***Allawrencius incisus* Lawrence, 1953***Types*: NMSA. *Type locality*: RSA: E.Cape: Port St Johns.*Distribution*: Type locality only (1945).***Allawrencius nodulosus* Verhoeff, 1939a**

Attems 1940; Lawrence 1953

Types: NMSA. *Type locality*: RSA: KZN: Hluhluwe Game Reserve.*Distribution*: RSA: KZN: Hluhluwe Game Reserve; Nkandhla Forest (1937).***Allawrencius teres* (Attems, 1934)**

Attems 1940; Lawrence 1953

Philocaffrus teres Attems, 1934*Types*: NMSA. *Type locality*: RSA: KZN: Richmond.*Distribution*: RSA: KZN: Richmond; Richmond (Enon Forest (1957)).***Allawrencius triordinatus* Lawrence, 1953***Types*: NMSA. *Type locality*: RSA: KZN: Kranskop, Mazongwaan Forest.*Distribution*: Type locality only (1940).

***Allawrencius verrucosus* Lawrence, 1962**

Types: NMSA. *Type locality*: RSA: KZN: Ngeli Forest.

Distribution: Type locality only (1960).

***Dendrocaffrus* Hoffman, 1974**

Type species: *Dendrocaffrus divisus* (Attems, 1928)

***Dendrocaffrus divisus* (Attems, 1928)**

Hoffman 1974

Philocafrus divisus Attems, 1928. Attems 1940

Types: SAMC. *Type locality*: RSA: W.Cape: Groot Winterhoekberge.

Distribution: RSA: Type locality only (1928*).

***Dendrocaffrus engeli* (Jeekel, 1956)**

Hoffman 1974

Philocafrus engeli Jeekel, 1956

Philocafrus divisus Schubart 1956

Types: ZMAN. *Type locality*: RSA: W.Cape: Bain's Gorge nr Wellington.

Distribution: Type locality only (1938).

***Doryskelus* Schubart, 1956**

Type species: *Doryskelus hottentottus* Schubart, 1956

***Doryskelus hottentottus* Schubart, 1956**

Types: MZLU. *Type locality*: RSA: W.Cape: Table Mtn, Wynberg Cave Ravine.

Distribution: RSA: W.Cape: Peninsula (Hout Bay, Skoorsteenkop (1951); Table Mtn).

***Drakensius* Schubart, 1956**

Type species: *Drakensius minor* Schubart, 1956

***Drakensius minor* Schubart, 1956**

Types: MZLU. *Type locality*: RSA: KZN: Drakensberg, RNNP, Gudu Falls.

Distribution: Type locality only (1951).

***Gonokollesis* Attems, 1928**

Attems 1940

Type species: *Gonokollesis nanus* Attems, 1928

***Gonokollesis nanus* Attems, 1928**

Attems 1940; Schubart 1956

Types: SAMC. *Type locality*: RSA: W.Cape: Caledon, Houw Hoek.

Distribution: RSA: W.Cape: Caledon (Houw Hoek); Peninsula (Hout Bay, Skoorsteenkop (1951); Table Mtn, Wynberg Cave Ravine).

***Gnomeskelus* Attems, 1926**

Attems 1927 1928 1934 1940; Verhoeff 1936 1939b 1940b; Lawrence 1953; Schubart 1956; Hoffman 1974

Type species: *Gnomeskelus repandus* Attems, 1926

Note: The type species is most likely a synonym of *Vanhoeffenia nodulosa* (Jeekel 1956; Hoffman 1974), which would mean that *Gnomeskelus* is a junior synonym of *Vanhoeffenia*. Hoffman (1974), however, stated that examination of published gonopod drawings indicates that the 'genus' is highly composite and requires revision and division into species groups, many of which deserve generic rank.

***Gnomeskelus arator* Lawrence, 1962**

Types: NMSA. *Type locality*: RSA: N.Prov: Magoebaskloof.

Distribution: Type locality only (1960).

***Gnomeskelus arcuatus* Verhoeff, 1939a**

Lawrence 1953

Gnomeskelus (*Gnomeskelus*) *arcuatus* Attems 1940

Types: NMSA. *Type locality*: RSA: KZN: Bulwer or Umgeni Poort (not specified).

Distribution: RSA: KZN: Bulwer (Deepdale, Umkomaas River (1964)); Drakensberg (Cathedral Peak); Fort Nottingham; Lion's Bush; New Hanover; Nottingham Road; Umgeni Poort; York.

***Gnomeskelus (Pristomeskelus) armiger* Schubart, 1956**

Types: MZLU. *Type locality:* RSA: W.Cape: Bainskloof, 5–10 miles NE Wellington.

Distribution: Type locality only (1951).

***Gnomeskelus (Gnomeskelus) attemsii* Verhoeff, 1939b**

Schubart 1956

Gnomeskelus attemsii Attems 1940; Lawrence 1953

Types: NMSA. *Type locality:* RSA: KZN: Drakensberg, Tugela Valley nr Champagne Castle.

Distribution: RSA: KZN: Drakensberg (Giant's Castle; RNNP, Gudu Falls; Tugela Valley nr Champagne Castle); Karkloof Falls; Pietermaritzburg (Swartkops (1957)).

***Gnomeskelus auriculatus* Lawrence, 1953**

Types: NMSA. *Type locality:* RSA: KZN: Rosetta.

Distribution: Type locality only (1942).

***Gnomeskelus bacillifer* Attems, 1944**

Types: NHMV. *Type locality:* Not specified.

Distribution: RSA: E.Cape: Barkly East area, New England (1944*).

***Gnomeskelus basuticus* Lawrence, 1969**

Types: AMGS. *Type locality:* Lesotho: Maseru district, nr Morija, Masite Mtn.

Distribution: Type locality only (1969*).

***Gnomeskelus bicornis* Schubart, 1956**

Types: MZLU. *Type locality:* RSA: E.Cape: Van Stadens Pass.

Distribution: Type locality only (1951).

***Gnomeskelus bifurcatus* Lawrence, 1953**

Types: NMSA. *Type locality:* RSA: KZN: Kranskop area, Mazongwaan Forest.

Distribution: RSA: KZN: Dargle (1962); Kranskop, Mazongwaan Forest; Pietermaritzburg (Swartkops); Richmond (Enon Forest).

***Gnomeskelus brevipes* Lawrence, 1953**

Type: NMSA. *Type locality:* RSA: KZN: Bulwer.

Distribution: Type locality only (1947).

***Gnomeskelus brincki* Schubart, 1956**

Types: MZLU. *Type locality:* RSA: KZN: Drakensberg, RNNP, The Dooley.

Distribution: RSA: KZN: Drakensberg, RNNP (The Dooley; Gudu Falls) (1951).

***Gnomeskelus burius* Verhoeff, 1939a**

Lawrence 1953

Gnomeskelus (Gnomeskelus) burius Attems 1940

Types: NMSA. *Type locality:* RSA: KZN: Pietermaritzburg, Swartkops.

Distribution: RSA: KZN: Karkloof; Pietermaritzburg (Swartkops; Town Bush (1950); Hilton Road).

***Gnomeskelus (Gnomeskelus) ceresinus* Attems, 1928**

Attems 1940

Gnomeskelus ceresinus Attems, 1928

Types: SAMC. *Type locality:* Not specified.

Distribution: RSA: W.Cape: Avontuur Pass nr Stormsvlei; Ceres; Swellendam (all 1928*).

***Gnomeskelus circulipes* Verhoeff, 1939a**

Lawrence 1953

Gnomeskelus (Gnomeskelus) circulipes Attems 1940

Types: NMSA. *Type locality:* RSA: KZN: Karkloof.

Distribution: RSA: KZN: Pietermaritzburg (Swartkops; Town Bush (1960)); Karkloof.

***Gnomeskelus (Gnomeskelus) clavatus* Attems, 1927**

Attems 1940; Schubart 1966

Gnomeskelus clavatus Attems, 1927. Attems 1928

Types: SAMC. *Type locality:* RSA: W.Cape: Mossel Bay.

Distribution: RSA: W.Cape: Gans Bay (Fransche Kraal (1951)); Mossel Bay.

***Gnomeskelus (Gnomeskelus) cyclocanthus* Lawrence, 1958**

Schubart 1966

Gnomeskelus cyclocanthus Lawrence, 1958

Types: NMSA. *Type locality:* RSA: KZN: Kranskop.
Distribution: Type locality only (1954).

Gnomeskelus (Gnomeskelus) cygniceps Lawrence, 1959
 Schubart 1966

Gnomeskelus cygniceps Lawrence, 1959
Types: TMSA. *Type locality:* RSA: N.Prov: Entabeni, Soutpansberg.
Distribution: Type locality only (1931).

Gnomeskelus (Gnomeskelus) dentipes Attems, 1928
 Attems 1940

Gnomeskelus dentipes Attems, 1928
Types: SAMC. *Type locality:* Mozambique: Masiene nr Chai Chai.
Distribution: Type locality only (1928*).

Gnomeskelus edentulus Lawrence, 1953
Types: NMSA. *Type locality:* RSA: KZN: Drakensberg, Giant's Castle.
Distribution: Type locality only (1939).

Gnomeskelus elizabethae Lawrence, 1963
Types: NMSA. *Type locality:* RSA: E.Cape: Port Elizabeth, Skoenmakerskop.
Distribution: Type locality only (1961).

Gnomeskelus (Gnomeskelus) fitsimoni Lawrence, 1959
 Schubart 1966

Gnomeskelus fitsimoni Lawrence, 1959
Types: TMSA. *Type locality:* RSA: W.Cape: George dist., Jonkersberg.
Distribution: Type locality only (1940).

Gnomeskelus (Gnomeskelus) fluvialis Lawrence, 1958
 Schubart 1966

Gnomeskelus fluvialis Lawrence, 1958. Lawrence 1959
Types: NMSA. *Type locality:* RSA: KZN: Umkomaas River at Lundie's Hill, 17 miles E Bulwer.
Distribution: RSA: KZN: Bulwer (Deepdale; Umkomaas River at Lundie's Hill (1957)).

Gnomeskelus forcipifer Lawrence, 1953
Type: NMSA. *Type locality:* RSA: KZN: New Hanover.
Distribution: RSA: KZN: Karkloof (1953); New Hanover; York.

Gnomeskelus furculatus Verhoeff, 1939c
 Lawrence 1953

Gnomeskelus (Gnomeskelus) furculatus Attems 1940
Types: NMSA (specimens not in appropriate tube and not found in collection). *Type locality:* RSA: KZN: Port Shepstone.
Distribution: RSA: E.Cape: Port St Johns. KZN: Nkandhla Forest; Port Shepstone (1937).

Gnomeskelus (Gnomeskelus) glaber Lawrence, 1958
 Schubart 1966

Gnomeskelus glaber Lawrence, 1958
Types: NMSA. *Type locality:* RSA: KZN: St Helier, Kloof, 15 miles N Durban.
Distribution: RSA: KZN: St Helier, Kloof (1959); Umgeni River, Valley of a Thousand Hills nr Drummond.

Gnomeskelus (Gnomeskelus) globifer Attems, 1928
 Attems 1940

Gnomeskelus globifer Attems, 1928
Types: SAMC. *Type locality:* RSA: E.Cape: Uitenhage dist., Dunbrody on Sundays River.
Distribution: Type locality only (1928*).

Gnomeskelus (Gnomeskelus) globulatus Attems, 1927
 Attems 1940

Gnomeskelus globulatus Attems, 1927. Attems 1928
Types: NHMV? *Type locality:* RSA: E.Cape: Grahamstown.
Distribution: Type locality only (1927*).

Gnomeskelus gonoarthrodus Lawrence, 1962
Types: NMSA. *Type locality:* RSA: KZN: Drakensberg, Cathedral Peak.
Distribution: Type locality only (1959).

***Gnomeskelus graemi* Lawrence, 1969**

Types: AMGS. Type locality: RSA: E.Cape: Grahamstown, Dassiekrans.

Distribution: Type locality only (1967).

***Gnomeskelus hamuliger* Verhoeff, 1939a**

Lawrence 1953

Gnomeskelus (Gnomeskelus) hamuliger Attems 1940

Types: NMSA. Type locality: RSA: KZN: Nkhandla Forest.

Distribution: Type locality only (1936).

Note: listed as a subspecies of *G. tuberosus* by Lawrence (1969), but no explanation given for this.

***Gnomeskelus harpagonifer* Verhoeff, 1939a**

Lawrence 1953

Gnomeskelus (Gnomeskelus) harpagonifer Attems 1940

Types: NMSA. Type locality: RSA: KZN: Nkandhla Forest.

Distribution: Type locality only (1937).

***Gnomeskelus hewitti* Lawrence, 1963**

Types: NMSA. Type locality: RSA: E.Cape: Grahamstown veld reserve.

Distribution: RSA: E.Cape: Addo; Grahamstown (Fernkloof (1964); veld reserve).

***Gnomeskelus inermis* Lawrence, 1963**

Types: NMSA. Type locality: RSA: E.Cape: nr Redhouse on the Sundays River.

Distribution: Type locality only (1961).

***Gnomeskelus (Gnomeskelus) jaculator* Lawrence, 1958**

Schubart 1966

Gnomeskelus jaculator Lawrence, 1958

Types: NMSA. Type locality: RSA: KZN: Pietermaritzburg, Bisley.

Distribution: Type locality only (1957).

***Gnomeskelus kambianus* Lawrence, 1963**

Types: NMSA. Type locality: RSA: E.Cape: Umtata, Kambi forest.

Distribution: Type locality only (1961).

***Gnomeskelus krausi* Lawrence, 1962**

Types: NMSA. Type locality: RSA: KZN: Ngame Forest.

Distribution: Type locality only (1960).

***Gnomeskelus krugeri* Lawrence, 1966**

Types: NMSA. Type locality: RSA: KNP: Dongadziba, Punda Maria area.

Distribution: Type locality only (1962).

***Gnomeskelus laevigatus* Lawrence, 1953**

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Champagne Castle.

Distribution: RSA: KZN: Drakensberg (Cathedral Peak Hotel (1957); Champagne Castle).

***Gnomeskelus larvatus* Lawrence, 1962**

Types: NMSA. Type locality: RSA: KZN: Pietermaritzburg, Town Bush.

Distribution: Type locality only (1960).

***Gnomeskelus latzeli* Verhoeff, 1939a**

Lawrence 1953

Gnomeskelus (Gnomeskelus) latzeli Attems 1940

Types: NMSA. Type locality: RSA: KZN: Van Reenen.

Distribution: Type locality only (1937).

***Gnomeskelus lawrencei* Verhoeff, 1939a**

Lawrence 1953

Gnomeskelus (Gnomeskelus) lawrencei Attems 1940

Types: NMSA. Type locality: RSA: KZN: Nkandhla Forest.

Distribution: Type locality only (1937).

***Gnomeskelus maritimus* Lawrence, 1962**

Types: NMSA. Type locality: RSA: KZN: Umhlali, Sheffield Beach.

Distribution: Type locality only (1960).

***Gnomeskelus medius* Verhoeff, 1939a**

Types: NMSA. Type locality: RSA: KZN: Durban, Bluff.

Distribution: Type locality only (1936).

***Gnomeskelus montifelis* Lawrence, 1969**

Types: AMGS. Type locality: RSA: E.Cape: Winterberg Mts, Katberg.

Distribution: Type locality only (1927).

***Gnomeskelus montivagus* Verhoeff, 1939b**

Lawrence 1953

Gnomeskelus (Chaetomeskelus) montivagus Verhoeff 1939c

Gnomeskelus (Gnomeskelus) montivagus Attems 1940

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Cathkin Peak.

Distribution: RSA: KZN: Drakensberg (Cathkin Peak; Giant's Castle; Tugela Valley nr Champagne Castle Hotel (1959)).

***Gnomeskelus (Haplonatalicus) multidentatus* Verhoeff, 1940b**

Types: NMSA. Type locality: RSA: KZN: Ingwavuma.

Distribution: Type locality only (1940*).

***Gnomeskelus natalicus* Attems, 1928**

Attems 1937; Verhoeff 1939b; Lawrence 1953

Gnomeskelus (Gnomeskelus) natalicus Attems 1940

Types: SAMC. Type locality: RSA: KZN: Kranskop.

Distribution: RSA: KZN: Dukuduku forest (1960); Empangeni; Kranskop; Ngoye Forest; Nkhandlha Forest; Qudeni Forest; St Helier nr Pinetown; Umhlali.

***Gnomeskelus origensis* Lawrence, 1953**

Types: NMSA. Type locality: RSA: KZN: Drakensberg, RNNP.

Distribution: Type locality only (1946).

***Gnomeskelus outeniqua* Lawrence, 1969**

Types: AMGS. Type locality: RSA: W.Cape: Grootrivier mouth, Nature's Valley.

Distribution: Type locality only (1969).

***Gnomeskelus (Gnomeskelus) penicillatus* Attems, 1927**

Attems 1940

Gnomeskelus penicillatus Attems, 1927. Attems 1928

Types: NHMV? Type locality: RSA: W.Cape: Mossel Bay.

Distribution: Type locality only (1927*).

***Gnomeskelus petersii* Verhoeff, 1940b**

Types: ZSMC. Type locality: RSA: KZN: Ingwavuma.

Distribution: Type locality only (1940*).

***Gnomeskelus processiger* Lawrence, 1953**

Types: NMSA. Type locality: RSA: KZN: Ngeli Forest, nr Kokstad.

Distribution: Type locality only (1947).

***Gnomeskelus pugnifer* Lawrence, 1953**

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Champagne Castle.

Distribution: Type locality only (1946).

***Gnomeskelus (Gnomeskelus) puteinus* Attems, 1928**

Attems 1940

Gnomeskelus puteinus Attems, 1928

Types: SAMC. Type locality: RSA: W.Cape: Matjesfontein.

Distribution: Type locality only (1928*).

***Gnomeskelus retrusus* Schubart, 1956**

Types: MZLU. Type locality: RSA: KZN: Pietermaritzburg, Town Bush.

Distribution: Type locality only (1948).

***Gnomeskelus (Cyphomeskelus) rhodobates* Attems, 1928**

Gnomeskelus (Gnomeskelus) rhodobates Attems 1940

Types: SAMC. Type locality: RSA: E.Cape: Humansdorp, Coldstream.

Distribution: RSA: E.Cape: Humansdorp (Coldstream); Stormsriver; Stormsriver Peak (1951); Tsitsikama Forest.

Gnomeskelus (Gnomeskelus) rudebecki Lawrence, 1959
Schubart 1966

Gnomeskelus rudebecki Lawrence, 1959

Types: TMSA. *Type locality:* RSA: N.Prov: Entabeni, Soutpansberg.

Distribution: Type locality only (1931).

Gnomeskelus serratus Verhoeff, 1939a
Lawrence 1953

Gnomeskelus (Gnomeskelus) serratus Attems 1940

Types: NMSA. *Type locality:* RSA: KZN: Karkloof.

Distribution: RSA: KZN: Karkloof; Tugela River (Middledrift (1940)).

Note: Listed as a subspecies of *G. tuberosus* by Lawrence (1969).

Gnomeskelus (Gnomeskelus) setosus Verhoeff, 1939b
Attems 1940

Gnomeskelus (Chaetomeskelus) setosus Verhoeff 1939c

Gnomeskelus setosus Lawrence 1953

Types: NMSA. *Type locality:* RSA: KZN: Drakensberg, Tugela Valley, nr Champagne Castle Hotel.

Distribution: Type locality only (1938).

Gnomeskelus silvaticus Attems, 1928
Lawrence 1953 1959

Gnomeskelus (Gnomeskelus) silvaticus Attems 1940

Types: SAMC. *Type locality:* RSA: W.Cape: Knysna Forest.

Distribution: RSA: W.Cape: Knysna; Riversdale (Stillbay) (both 1940). Also recorded from KZN, Inchanga, although this record unlikely (Lawrence 1953).

Gnomeskelus skukuzae Lawrence, 1966

Types: NMSA. *Type locality:* RSA: KNP: Skukuza area, confluence of Sabi and Sand Rivers.

Distribution: Type locality only (1962).

Gnomeskelus spectabilis Verhoeff, 1940a

Types: ZSMC. *Type locality:* RSA: KZN: Umhlali.

Distribution: Type locality only (1940*).

Gnomeskelus spiculifer Lawrence, 1953

Types: NMSA. *Type locality:* RSA: E.Cape: Port St Johns.

Distribution: Type locality only (1937).

Gnomeskelus (Gnomeskelus) spinifer Attems, 1928
Attems 1940

Gnomeskelus spinifer Attems, 1928

Types: SAMC. *Type locality:* Mozambique: Masiene nr Chai Chai.

Distribution: Type locality only (1928*).

Gnomeskelus (Gnomeskelus) stuckenbergi Lawrence, 1958
Schubart 1966

Gnomeskelus stuckenbergi Lawrence, 1958

Types: NMSA. *Type locality:* RSA: Mpumalanga: Mariepskop, nr Pilgrim's Rest.

Distribution: Type locality only (1956).

Gnomeskelus subterraneus Lawrence, 1962

Types: NMSA. *Type locality:* RSA: KZN: Nhlazaan Mtn, nr Elandskop.

Distribution: Type locality only (1960).

Gnomeskelus swazianus Lawrence, 1953

Types: NMSA. *Type locality:* Swaziland: Mbabane.

Distribution: Type locality only (1964).

Gnomeskelus (Gnomeskelus) swazius Verhoeff, 1940a

Types: ZSMC. *Type locality:* Swaziland.

Distribution: Type locality only (1940*).

***Gnomeskelus tembulicus* Lawrence, 1963**

Types: NMSA. Type locality: RSA: E.Cape: Qolora river mouth.

Distribution: Type locality only (1962).

***Gnomeskelus tenuipes* Lawrence, 1953**

Type: NMSA. Type locality: RSA: KZN: Kosi Bay.

Distribution: RSA: KZN: Gwaliweni Forest (1954); Kosi Bay; St Lucia.

***Gnomeskelus tereticornis* Lawrence, 1962**

Types: NMSA. Type locality: RSA: KZN: Ngome Forest.

Distribution: Type locality only (1960).

***Gnomeskelus (Gnomeskelus) transvaalicus* Lawrence, 1958**

Schubart 1966

Gnomeskelus transvaalicus Lawrence, 1958

Types: NMSA. Type locality: RSA: Mpumalanga: Barberton.

Distribution: Type locality only (1956).

***Gnomeskelus trichardti* Lawrence, 1962**

Types: NMSA. Type locality: RSA: N.Prov: Hanglip Mtn, Louis Trichardt.

Distribution: Type locality only (1960).

***Gnomeskelus trifurcatus* Lawrence, 1953**

Types: NMSA. Type locality: RSA: KZN: Kranskop, Mazongwaan Forest.

Distribution: Type locality only (1940).

***Gnomeskelus (Gnomeskelus) tristriatus* (Attems, 1938a)**

Attems 1940

Pelmatotylus tristriatus Attems, 1938a

Types: ? Type locality: RSA: KZN: Impolweni nr Albert Falls.

Distribution: Type locality only.

Note: listed as a subspecies of *G. tuberosus* by Lawrence (1969), but no explanation is given.

***Gnomeskelus tuberosus clivicolus* Lawrence, 1962**

Types: NMSA. Type locality: RSA: KZN: Valley of a Thousand Hills, nr Drummond.

Distribution: RSA: KZN: Tugela Valley nr Bothas Hill (1939); Valley of a Thousand Hills nr Drummond.

***Gnomeskelus tuberosus eweri* Lawrence, 1962**

Types: NMSA. Type locality: RSA: E.Cape: Qolora, Bashee River.

Distribution: Type locality only (1954).

***Gnomeskelus tuberosus falcifer* Verhoeff, 1939a**

Lawrence 1962

Gnomeskelus falcifer Verhoeff 1939b

Types: NMSA. Type locality: RSA: KZN: Not specified.

Distribution: RSA: KZN: Port Shepstone; Umgababa; Umhlali (1937).

***Gnomeskelus tuberosus microdens* Lawrence, 1962**

Types: NMSA. Type locality: RSA: KZN: Dukuduku Forest.

Distribution: RSA: KZN: Dukuduku Forest; Mtunzini; Richards Bay (1960).

***Gnomeskelus tuberosus tridens* Lawrence, 1962**

Types: NMSA. Type locality: RSA: E.Cape: Port St Johns.

Distribution: Type locality only (1937).

***Gnomeskelus (Gnomeskelus) tuberosus tuberosus* Attems, 1934**

Attems 1940; Schubart 1966

Gnomeskelus tuberosus Attems, 1934. Lawrence 1953

Types: NMSA. Type locality: RSA: KZN: Margate.

Distribution: RSA: KZN: Drummond; Kranskop, Mazongwaan Forest; Margate; Pietermaritzburg; Port Edward (1943); Richards Bay (1943). E.Cape: Port St Johns.

***Gnomeskelus tuberosus urbanus* Lawrence, 1962**

Types: NMSA. Type locality: RSA: KZN: Pietermaritzburg, Scottsville.

Distribution: RSA: KZN: Pietermaritzburg area (1957).

***Gnomeskelus (Drakensius) tugelanus* Verhoeff, 1939c**

Attems 1940; Lawrence 1953

Gnomeskelus tugelanus Verhoeff, 1939c

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Champagne Castle Hotel.

Distribution: Type locality only (1938).

***Gnomeskelus (Drakensius) tugelanus alticolis* Verhoeff, 1939b**

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Cathkin Peak.

Distribution: Type locality only.

***Gnomeskelus (Drakensius) tugelanus unicolor* Verhoeff, 1939b**

Types: NMSA. Type locality: RSA: KZN: Little Tugela Valley.

Distribution: Type locality only (1939*).

Note: Lawrence (1953) was sceptical of the subspecific division of *G. (D.) tugelanus*.

***Harpethrix* Attems, 1926**

Attems 1940; Schubart 1956

Type species: *Harpethrix plana* Attems, 1928

***Harpethrix caeca* Lawrence, 1962**

Types: NMSA. Type locality: RSA: W.Cape: Table Mtn, Kalk Bay caves.

Distribution: RSA: W.Cape: Table Mtn (Devil's Pit caves; Kalk Bay caves; Wynberg caves (1954)).

***Harpethrix plana* Attems, 1928**

Attems 1940

Types: SAMC. Type locality: RSA: W.Cape: Witte River, Wellington.

Distribution: Type locality only (1928*).

***Hemiphygoxerotes* Schubart, 1956**

Type species: *Hemiphygoxerotes crinitus* (Attems, 1944)

***Hemiphygoxerotes crinitus* (Attems, 1944)**

Schubart 1956

Phygoxerotes crinitus Attems, 1944

Types: NHMV. Type locality: RSA: W.Cape: Noordhoek.

Distribution: Type locality only (1944*).

***Ischnocaffrus* Hoffman, 1974**

Type species: *Ischnocaffrus bifalcatus* (Attems, 1928)

***Ischnocaffrus bifalcatus* (Attems, 1928)**

Hoffman 1974

Philocaffrus bifalcatus Attems, 1928. Attems 1940; Schubart 1956

Types: SAMC. Type locality: RSA: W.Cape: Table Mtn.

Distribution: Type locality only (1951).

***Ischnocaffrus staminifer* (Schubart, 1966)**

Hoffman 1974

Philocaffrus staminifer Schubart, 1966

Types: MZLU. Type locality: RSA: W.Cape: Franschoek Bosreserve, 15 miles SE Paarl.

Distribution: Type locality only (1951).

***Peninsularia* Schubart, 1956**

Type species: *Peninsularia capensis* Schubart, 1956

***Peninsularia capensis* Schubart, 1956**

Types: MZLU. Type locality: RSA: W.Cape: Hout Bay, Skoorsteenkop.

Distribution: Type locality only (1951).

***Perbrinckiella* Schubart, 1956**

Type species: *Perbrinckiella tztzikama* Schubart, 1956

***Perbrinckiella tztzikama* Schubart, 1956**

Types: MZLU. Type locality: RSA: E.Cape: Tsitsikama Forest, Stormsriver Peak.

Distribution: Type locality only (1951).

***Philocaffrus* Attems, 1926**

Attems 1928 1940; Hoffman 1974

Type species: *Philocaffrus destitutus* Attems, 1926

Note: Hoffman (1974) redefined this genus, and stated that only the following two species can be included with certainty.

***Philocaffrus destitutus* Attems, 1928**

Attems 1940; Schubart 1956; Hoffman 1974

Types: SAMC. Type locality: RSA: W.Cape: Steenbras River, Caledon.

Distribution: RSA: W.Cape: Caledon (Steenbras Dam area 10 miles WSW Grabouw (1951); Steenbras River).

***Philocaffrus polydesmoides* Attems, 1928**

Attems 1940; Hoffman 1974

Types: SAMC. Type locality: RSA: W.Cape: Caledon.

Distribution: Type locality only (1928*).

***Platytarropus* Verhoeff, 1939c**

Type species: *Platytarropus polydesmoides* Verhoeff, 1939c

Note: Hoffman (1980) listed this genus as synonymous with *Platytarrus*, but further investigation is necessary to verify this (Hoffman, pers. comm.).

***Platytarropus polydesmoides* Verhoeff, 1939c**

Attems 1940; Schubart 1956 1966

Platytarrus polydesmoides Lawrence 1953

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Cathkin Peak.

Distribution: RSA: KZN: Drakensberg (Cathedral Peak (1943); Cathkin Peak; Giant's Castle (1943)).

***Platytarropus serratus* Attems, 1944**

Types: NHMV. Type locality: RSA: Cape (?): Riversdale Mts (either nr Kokstad or in W.Cape).

Distribution: Type locality only (1944*).

***Platytarrus* Attems, 1926**

Attems 1928 1940; Verhoeff 1936; Lawrence 1953; Schubart 1956

Type species: *Platytarrus cryptodesmoides* Attems, 1928

***Platytarrus cryptodesmoides* Attems, 1928**

Attems 1940; Lawrence 1953; Schubart 1956

Types: SAMC. Type locality: RSA: E.Cape: Kromspruit, Herschel.

Distribution: RSA: E.Cape: Herschel (Kromspruit); Drakensberg (nr Rhodes (1951)).

***Platytarrus excelsus* Lawrence, 1959**

Schubart 1966

Types: TMSA. Type locality: RSA: KZN: Drakensberg, Mont-aux-Sources.

Distribution: Type locality only (1938).

***Platytarrus guduensis* Schubart, 1956**

Types: MZLU. Type locality: RSA: KZN: Drakensberg, RNNP, Gudu Falls.

Distribution: Type locality only (1951).

***Platytarrus qachasnekensis* Schubart, 1956**

Types: MZLU. Type locality: RSA: KZN: Qachas Nek, 20 miles N Matatiele.

Distribution: Type locality only (1951).

***Pseudothelydesmus* Schubart, 1956**

Type species: *Pseudothelydesmus horrificus* Schubart, 1956

***Pseudothelydesmus horrificus* Schubart, 1956**

Types: MZLU. Type locality: RSA: E.Cape: Tsitsikama Forest, Stormsriver Peak.

Distribution: Type locality only (1951).

***Rhopaloskelus* Attems, 1940**

Attems 1940

Type species: *Rhopaloskelus terreus* (Attems, 1928)

Note: Hoffman (1980) considered *Rhopaloskelus* to have generic, rather than subgeneric status, and species last reported in the literature as *Gnomeskelus* (*Rhopaloskelus*) are listed below.

***Rhopaloskelus affinis* (Lawrence, 1953)**

Gnomeskelus (*Rhopaloskelus*) *affinis* Lawrence, 1953

Types: NMSA. Type locality: RSA: KZN: Kranskop, Mazongwaan Forest.

Distribution: Type locality only (1954).

***Rhopaloskelus biseriatus* Verhoeff, 1939a**

Gnomeskelus (*Rhopaloskelus*) *biseriatus* Attems 1940; Lawrence 1953

Types: NMSA. Type locality: RSA: KZN: Pietermaritzburg, Sweetwaters or Durban, Bluff (not specified).

Distribution: RSA: KZN: Dargle (1962); Durban (Bluff); Pietermaritzburg (Sweetwaters).

***Rhopaloskelus longisetosus* Lawrence, 1962**

Types: NMSA. Type locality: RSA: KZN: Geekies Farm, Rietvlei.

Distribution: Type locality only (1960).

***Rhopaloskelus minor* (Lawrence, 1958)**

Schubart 1966

Gnomeskelus (*Rhopaloskelus*) *minor* Lawrence, 1958

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Champagne Castle.

Distribution: Type locality only (1937).

***Rhopaloskelus pietermaritzburgensis* Schubart, 1956**

Types: MZLU. Type locality: RSA: KZN: Pietermaritzburg, Town Bush.

Distribution: Type locality only (1948).

***Rhopaloskelus terreus* (Attems, 1928)**

Gnomeskelus terreus Attems, 1928

Gnomeskelus (*Rhopaloskelus*) *terreus* Attems 1940; Lawrence 1953

Types: SAMC. Type locality: RSA: KZN: Howick.

Distribution: RSA: KZN: Howick; Pietermaritzburg (Swartkops nr Cedara; Town Bush); Richmond (Enon Forest); Sheffield Beach; Umhlali (1960).

***Schubartina* Lawrence, 1958**

Type species: *Schubartina formicinus* Lawrence, 1958

***Schubartina formicinus* Lawrence, 1958**

Types: NMSA. Type locality: RSA: KZN: Lions Bush nr Fort Nottingham.

Distribution: Type locality only (1955).

***Stenauchenia* Attems, 1901**

Hoffman 1974

Type species: *Stenauchenia braunsi* Attems, 1901

Note: This name has priority over all other names based on South African dalodesmids, and the study of its gonopod characters might show *Gnomeskelus* to be a synonym of *Stenauchenia* (Hoffman 1980). Unfortunately, the type species is known from female specimens only.

***Stenauchenia braunsi* Attems, 1901**

Hoffman 1974

Types: ZMUH. Type locality: RSA: E.Cape: Port Elizabeth area.

Distribution: Type locality only (1901*).

***Trematocaffrus* Hoffman, 1974**

Type species: *Trematocaffrus claviger* (Porat, 1894)

***Trematocaffrus claviger* (Porat, 1894)**

Hoffman 1974

Polydesmus setiger Porat, 1893 (preoccupied)

Polydesmus claviger Porat, 1894

Types: NHRS. Type locality: RSA: W.Cape: Cape Town.

Distribution: Type locality only (1872).

***Trematocaffrus laevigatus* (Porat, 1893)**

Hoffman 1974

Polydesmus laevigatus Porat, 1893*Types*: NHRS. *Type locality*: RSA: W.Cape: Cape Town.*Distribution*: Type locality only.*Note*: A dubious allocation to this genus; will probably be placed in its own genus once males have been identified as conspecific with females (Hoffman 1974).***Tzitzikamina* Schubart, 1956***Type species*: *Tzitzikamina lawrencei* Schubart, 1956***Tzitzikamina lawrencei* Schubart, 1956***Types*: MZLU. *Type locality*: RSA: W.Cape: Bloukrans River, 20 miles ENE Plettenberg Bay.*Distribution*: RSA: E.Cape: Tsitsikama Forest, Stormsriver Peak (1951). W.Cape: Bloukrans River, 20 miles ENE Plettenberg Bay.***Vanhoeffenia* Attems, 1908**

Hoffman 1974

Type species: *Vanhoeffenia nodulosa* Attems, 1908*Note*: *Gnomeskelus* is almost certainly a junior synonym of *Vanhoeffenia*, but given the polytypic nature of the group, revision may still result in a monotypic *Vanhoeffenia* (Hoffman 1974).***Vanhoeffenia nodulosa* Attems, 1908**

Jeekel 1956; Hoffman 1974

Gnomeskelus repandus Attems, 1926. Attems 1928 1940 1944; Schubart 1956; Jeekel 1956*Gnomeskelus mixtus* Attems, 1944. Schubart 1956*Types*? *Type locality*: RSA: W.Cape: Simonstown.*Distribution*: RSA: W.Cape: Caledon (Houw Hoek; Venster Ravine); Cape Flats; Peninsula (Cape Point (1958); Hout Bay; Kalk Bay; Simonstown; St James); Riviersonderend; 20 miles SE Swellendam.**Vaalonopodidae Verhoeff, 1940a*****Phyoxerotes* Verhoeff, 1939a**

Verhoeff 1940a; Attems 1940; Lawrence 1953; Schubart 1956

Type species: Not specified, probably *Phyoxerotes nodulosus* Verhoeff, 1939a***Phyoxerotes acuminatus* Schubart, 1956***Types*: MZLU. *Type locality*: RSA: Mpumalanga: 15 miles SE Lydenberg.*Distribution*: Type locality only (1951).***Phyoxerotes coronatus* Lawrence, 1953***Types*: NMSA. *Type locality*: RSA: KZN: Kranskop, Mazongwaan Forest.*Distribution*: Type locality only (1954).***Phyoxerotes myrmecophilus* Lawrence, 1953***Types*: NMSA. *Type locality*: RSA: KZN: Drakensberg, Champagne Castle.*Distribution*: RSA: KZN: Bothas Hill (1954); Drakensberg (Cathedral Peak; Champagne Castle).***Phyoxerotes nodulosus* Verhoeff, 1939a**

Attems 1940; Lawrence 1953

Types: NMSA. *Type locality*: RSA: KZN: Nkandhla Forest.*Distribution*: Type locality only (1936).***Phyoxerotes proximus* Lawrence, 1958**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Pietermaritzburg, Swartkops summit, nr Cedara.*Distribution*: Type locality only (1957).***Phyoxerotes ramosus* Lawrence, 1953**

Schubart 1956

Types: NMSA. *Type locality*: RSA: W.Cape: Knysna.*Distribution*: RSA: E.Cape: Tsitsikama Forest (Stormsriver (1951)). W.Cape: Knysna; Outeniqua Mts (Robinson Pass).

Vaalogonopus Verhoeff, 1940a

Type species: *Vaalogonopus camponoti* Verhoeff, 1940a

***Vaalogonopus camponoti* Verhoeff, 1940a**

Types: ZSMC. Type locality: RSA: Mpumalanga: Barberton.

Distribution: Type locality only (1940*).

Superorder: Juliformia Leach

Order: Spirobolida Bollman, 1893

Pachybolidae Cook, 1897

***Centrobolus* Cook, 1897**

Hoffman 1971a

Chersastus Attems 1928; Jeekel 1956; Schubart 1966; Lawrence 1967

Type species: *Centrobolus luctuosus* (Peters, 1855)

Note: Hoffman (1971a) was convinced of the synonymy presented above. The type species of *Chersastus* is from the Seychelles and differs significantly from the South African material. The type of *Centrobolus*, from Imhambane in Mozambique, is, according to Hoffman (1971a), congeneric with the South African species. The gonopods of the types are missing, so this synonymy cannot be confirmed, although Hoffman considered the evidence for it to be overwhelming.

***Centrobolus albitarsis* (Lawrence, 1967), comb. n.**

Chersastus albitarsis Lawrence, 1967

Types: NMSA. Type locality: RSA: Mpumalanga: Lochiel.

Distribution: Type locality only (1939).

***Centrobolus angelicus* (Jeekel, 1956), comb. n.**

Chersastus angelicus Jeekel, 1956. Schubart 1966

Types: ZMAN. Type locality: RSA: E.Cape: Grahamstown, Pluto's Vale.

Distribution: RSA: E.Cape: Grahamstown area (1948).

***Centrobolus anulatus* (Attems, 1934)**

Hoffman 1971a

Spirobolus elegans Porat, 1872; Attems 1928; Jeekel 1956

Chersastus anulatus Attems, 1934. Jeekel 1956; Schubart 1966; Lawrence 1967

Chersastus rubrofasciatus Schubart, 1966

Chersastus elegans Schubart 1966

Types: NMSA and NHMW. Type locality: RSA: KZN: Ifafa.

Distribution: RSA: KZN: Durban (Bluff; Burman Bush); Ifafa; Isipingo; Kelso Station; Mtunzini; Ngoye Forest; Scottburgh; Umhlanga Rocks (1966).

Note: Examination of the type specimen of *Spirobolus elegans* Brandt, 1841 revealed that this is not an African spirobolid, which means that Attems' name is correct for the species (Hoffman 1971a).

***Centrobolus atrophus* (Attems, 1928)**

Hoffman 1971a

Chersastus atrophus Attems, 1928

Types: NHMW. Type locality: RSA: W.Cape: Not specified.

Distribution: RSA: W.Cape: Peninsula (Hout Bay; Signal Hill); Wellington (all 1928*).

Note: Hoffman (1971a) questioned Jeekel's (1956) and Schubart's (1966) placement of this species in synonymy with *C. pococki*, based on distinct differences in the illustrations of Attems (1928) and characters of the type material of *C. pococki*. He suggested that the status of *C. atrophus* should remain unsettled until the type material of this species is examined.

***Centrobolus bifidus* (Lawrence, 1967), comb. n.**

Chersastus bifidus Lawrence, 1967

Types: NMSA. Type locality: RSA: KZN: Nkandhla Forest.

Distribution: Type locality only (1943).

***Centrobolus coriaceus* (Porat, 1872)**

Hoffman 1971a

Spirobolus coriaceus Porat, 1872. Attems 1928; Jeekel 1956

Chersastus coriaceus Schubart 1966

Types: NHRS. *Type locality:* RSA: 'Caffraria'.

Distribution: Type locality only (1872*).

***Centrobolus decoratus* (Lawrence, 1967), comb. n.**

Chersastus decoratus Lawrence, 1967

Types: NMSA. *Type locality:* RSA: KZN: Ngome Forest.

Distribution: Type locality only (1960).

***Centrobolus digrammus* (Pocock, 1893)**

Hoffman 1971a

Spirobolus digrammus Pocock, 1893. Attems 1928

Spirobolus sabulosoides Porat, 1893. Attems 1928

Chersastus fasciatus Attems, 1928. Attems 1934

Chersastus digrammus Schubart 1966; Lawrence 1967

Types: BMNH. *Type locality:* RSA: W.Cape: Hout Bay.

Distribution: RSA: E.Cape: Alexandria State Forest; East London; Grahamstown area. W.Cape: Caledon (Houw Hoek; Steenbras); Gordons Bay; Hermanus; Jonkershoek; Maitlands Flats; Pacaltsdorp; Peninsula (Cape Flats; Cape Point; Hout Bay; Simonstown; St James; Table Mtn); Riviersonderend; Tulbagh.

Note: Lawrence (1967) considered records from the Karoo (Cookhouse; Graaff-Reinet; Prince Albert) to be invalid. The single locality in KZN (Durban, Merebank) listed by Attems (1934) is based on a female specimen and is probably also invalid.

***Centrobolus dubius* (Schubart, 1966), comb. n.**

Chersastus dubius Schubart, 1966

Types: MZLU. *Type locality:* RSA: W.Cape: Franches Kraal, nr Gans Bay.

Distribution: Type locality only (1912).

***Centrobolus formosus* (Porat, 1872), comb. n.**

Spirobolus formosus Porat, 1872. Attems 1928; Jeekel 1956

Chersastus formosus Schubart 1966

Types: NHRS. *Type locality:* RSA: 'Caffraria'.

Distribution: Type locality only (1872*).

***Centrobolus fulgidus* (Lawrence, 1967), comb. n.**

Chersastus fulgidus Lawrence, 1967

Types: NMSA. *Type locality:* RSA: KZN: Richards Bay.

Distribution: RSA: KZN: Hluhluwe Game Reserve; Kranskop (1954); Ngoye Forest; Richards Bay; St Lucia.

***Centrobolus immaculatus* (Lawrence, 1967)**

Hoffman 1971a

Chersastus immaculatus Lawrence, 1967

Types: NMSA. *Type locality:* Mozambique: Garuso.

Distribution: Mozambique: Amatonga Forest nr Vila Pery; Garuso (1960); Gorongozo. Zimbabwe: Mt. Silinda; Chimanimani Mtn Zambia.

***Centrobolus inscriptus* (Attems, 1928), comb. n.**

Chersastus inscriptus Attems, 1928. Attems 1934; Schubart 1966; Lawrence 1967

Types: SAMC. *Type locality:* RSA: KZN: Scottburgh.

Distribution: RSA: E.Cape: East London. KZN: Dukuduku Forest; Durban (Bellair; Bluff); Hluhluwe Game Reserve; Kelso; Kranskop; Mtunzini; Park Rynie; Pietermaritzburg (Otto's Bluff); Port Edward; Port Shepstone; Trafalgar; Umgababa; Umhlanga Rocks (1961); Valley of a Thousand Hills nr Drummond.

***Centrobolus inyanganus* (Lawrence, 1967), comb. n.**

Chersastus inyanganus Lawrence, 1967

Types: NMSA. *Type locality:* Zimbabwe: Inyanga village.

Distribution: Zimbabwe: Inyanga village (1961); Inyanga (Pungwe gorge).

***Centrobolus lawrencei* (Schubart, 1966), comb. n.**

Chersastus lawrencei Schubart, 1966. Lawrence 1967

Types: MZLU. *Type locality:* RSA: KZN: Pietermaritzburg, Town Bush.

Distribution: RSA: KZN: Pietermaritzburg (Town Bush (1955)); Richmond.

***Centrobolus litoralis* (Koch, 1865)**

Hoffman 1971a

Spirobolus litoralis Koch, 1865. Attems 1928; Jeekel 1956*Spirobolus tessellatus* Porat, 1872. Attems 1928; Jeekel 1956*Chersastus erythroproctus* Jeekel, 1956. Schubart 1966*Chersastus litoralis* Schubart 1966*Chersastus elizabethae* Schubart, 1966

Types: ZMUH. Type locality: RSA: W.Cape: Algoa Bay.

Distribution: RSA: E.Cape: Port Elizabeth (1958); Van Staden's Pass, 25 miles W Port Elizabeth (1958). W.Cape: Algoa Bay; Plettenberg Bay.

***Centrobolus luctuosus* (Peters, 1855)**

Cook 1897; Jeekel 1956; Schubart 1966; Lawrence 1967; Hoffman 1971a

Spirobolus luctuosus Peters, 1855

Type: ZMHB. Type locality: Mozambique: Inhambane.

Distribution: Type locality only (1855*).

Centrobolus lugubris* (Lawrence, 1967), comb. n.Chersastus lugubris* Lawrence, 1967

Types: NMSA. Type locality: RSA: E.Cape: Glenconnor, 100 miles NW Port Elizabeth.

Distribution: Type locality only (1964).

Centrobolus miniatomaculatus* (Schubart, 1966), comb. n.Chersastus miniatomaculatus* Schubart, 1966

Types: MZLU. Type locality: RSA: E.Cape: Tsitsikama Forest, Stormsriver Mouth.

Distribution: Type locality only (1951).

***Centrobolus pococki* (Porat, 1893)**

Hoffman 1971a

Spirobolus pococki Porat, 1893. Attems 1928; Jeekel 1956*Chersastus pococki* Schubart 1966

Types: NHRS. Type locality: RSA: W.Cape: 'Cape colony, De Vylder'

Distribution: RSA: W.Cape: Peninsula, Cape Town (1872*).

Note: Possibly synonymous with *C. atrophus*, see this species for details.***Centrobolus promontorius* (Schubart, 1966), comb. n.***Chersastus promontorius* Schubart, 1966

Types: MZLU. Type locality: W.Cape: Hout Bay, Little Lions Head.

Distribution: W.Cape: Peninsula (Hout Bay (1951); Table Mtn, Blinkwater Ravine).

Centrobolus pusillus* (Lawrence, 1967), comb. n.Chersastus pusillus* Lawrence, 1967

Types: NMSA. Type locality: RSA: E.Cape: Qolora River mouth.

Distribution: Type locality only (1962).

***Centrobolus richardi* (Lawrence, 1967)**

Hoffman 1971a

Chersastus richardi Lawrence, 1967

Types: NMSA. Type locality: RSA: KZN: Richards Bay.

Distribution: RSA: KZN: Lake Sibaya (1967); Richards Bay; St Lucia Bay.

Centrobolus ruber* (Attems, 1928), comb. n.Chersastus ruber* Attems, 1928. Attems 1934; Warren 1934; Lawrence 1967; Jeekel 1956; Schubart 1966

Types: SAMC. Type locality: RSA: KZN: Mouth of Umzimkulu River nr Port Shepstone.

Distribution: RSA: E.Cape: Kentani. KZN: Ifafa; Ngoye Forest (1953); Port Shepstone; Scottburgh; Umzimkulu River mouth.

Centrobolus ruber vulpinus* (Attems, 1928), comb. n.Chersastus vulpinus* Attems, 1928. Attems 1934*Chersastus ruber vulpinus* Attems, 1928. Lawrence 1967

Types: SAMC. Type locality: Mozambique: Masiene nr Chai Chai.

Distribution: RSA: E.Cape: Qolora River mouth. KZN: Amanzimtoti; Izotsha; Mid-Illovo; Nkandhla Forest; Oribi Gorge; Port Shepstone. Mozambique: Chai Chai (Masiene).

Centrobolus rubricollis* (Schubart, 1966), comb. n.Chersastus rubricollis* Schubart, 1966. Lawrence 1967*Types:* MZLU. *Type locality:* RSA: KZN: Karkloof Waterfall.*Distribution:* RSA: KZN: Karkloof Waterfall (1964); Nottingham Road; Umkomaas River Valley, Deepdale.***Centrobolus rugulosus* (Lawrence, 1967), comb. n.***Chersastus rugulosus* Lawrence, 1967*Types:* NMSA. *Type locality:* RSA: KZN: Hluhluwe Game Reserve.*Distribution:* RSA: KZN: Gwaliweni Forest (1957); Hluhluwe Game Reserve; Ngoye Forest; St Lucia Bay.***Centrobolus sagatinus* (Schubart, 1966), comb. n.***Chersastus saginatus* Schubart, 1966*Types:* MZLU. *Type locality:* RSA: E.Cape: between Uitenhage and Addo.*Distribution:* Type locality only (1951).***Centrobolus sanguineomarginatus* (Schubart, 1966), comb. n.***Chersastus sanguineomarginatus* Schubart, 1966*Types:* MZLU. *Type locality:* RSA: W.Cape: Bains Kloof, 5 miles E Wellington.*Distribution:* Type locality only (1951).***Centrobolus sanguinipes* (Lawrence, 1967), comb. n.***Chersastus sanguinipes* Lawrence, 1967*Types:* NMSA. *Type locality:* RSA: E.Cape: Qolora River mouth.*Distribution:* Type locality only (1962).***Centrobolus saussurii* (Porat, 1872)**

Hoffman 1971a

Spirobolus saussurii Porat, 1872*Spirobolus falcatus* Voges, 1878*Spirobolus saussurei* Attems 1928*Chersastus saussurei* Jeekel 1956; Schubart 1966*Types:* NHRS. *Type locality:* RSA: 'Caffraria'.*Distribution:* Type locality only (1872*).Note: Hoffman (1971a) examined the types of Voges' *falcatus* from Zanzibar. He placed this species in synonymy with *C. saussurii*, and suggested that the type locality of Zanzibar might be an error.***Centrobolus silvanus* (Attems, 1928), comb. n.***Chersastus silvanus* Attems, 1928. Jeekel 1956; Schubart 1966*Types:* SAMC. *Type locality:* RSA: E.Cape: Kentani.*Distribution:* RSA: E.Cape: Kambi Forest (1961); Kentani; Tsitsikama Forest, Stormsriver; Umtata. W.Cape: Knysna. Swaziland: Mbabane.***Centrobolus splendidus* (Attems, 1928), comb. n.***Chersastus splendidus* Attems, 1928. Schubart 1966*Types:* SAMC. *Type locality:* Mozambique: Masiene nr Chai Chai.*Distribution:* Type locality only (1928*).***Centrobolus strigosus* (Porat, 1872)**

Hoffman 1971a

Spirobolus strigosus Porat, 1872. Attems 1928; Jeekel 1956*Chersastus strigosus* Schubart 1966*Types:* ZMS. *Type locality:* RSA: 'Caffraria'.*Distribution:* Type locality only (1840).***Centrobolus striolatus* (Attems, 1934), comb. n.***Chersastus striolatus* Attems, 1934. Schubart 1966; Lawrence 1967*Types:* SAMC. *Type locality:* RSA: E.Cape: Port St Johns.*Distribution:* RSA: E.Cape: Needs Camp, 20 miles W East London (1948); Port St Johns.***Centrobolus titanophilus* (Schubart, 1966), comb. n.***Chersastus titanophilus* Schubart, 1966*Types:* MZLU. *Type locality:* RSA: W.Cape: De Hoop vlei, 20 miles ENE Bredasdorp.*Distribution:* RSA: W.Cape: De Hoop Vlei (1951); Maanschijkop, 7 miles E Hermanus.

Centrobolus transvaalicus* (Lawrence, 1967), comb. n.Chersastus transvaalicus* Lawrence, 1967

Types: NMSA. Type locality: RSA: Mpumalanga: Mariepskop.

Distribution: RSA: Mpumalanga: Mariepskop. N.Prov: Entabeni nr Louis Trichardt; Louis Trichardt (1961).

Centrobolus tricolor* (Lawrence, 1967), comb. n.Chersastus tricolor* Lawrence, 1967

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Champagne Castle.

Distribution: RSA: KZN: Drakensberg, Champagne Castle (1943); Bulwer.

Centrobolus validus* (Lawrence, 1967), comb. n.Chersastus validus* Lawrence, 1967

Types: NMSA. Type locality: Zimbabwe: Haroni River.

Distribution: Type locality only (1965).

Centrobolus vastus* (Attems, 1934), comb. n.Chersastus vastus* Attems, 1934. Jeekel 1956; Lawrence 1967

Types: NMSA. Type locality: RSA: E.Cape: Port St Johns.

Distribution: RSA: E.Cape: Port St Johns (1955); Umngazi River mouth. KZN: Gwaliweni Forest; Hluhluwe Game Reserve; Ifafa; Ingwavuma; Kranskop; Port Edward; St Lucia; Trafalgar.

***Epibolus* Cook, 1897**

Enghoff 1977

Metiche Attems, 1909a; Hoffman 1962*Callipodolus* Hoffman & Keeton, 1960Type species: *Epibolus pulchripes* (Gerstaecker, 1873)***Epibolus mossambicense* (Lawrence, 1967)**

Enghoff 1977

Metiche mossambicense Lawrence, 1967

Types: NMSA. Type locality: Mozambique: Xiluvo, 65 miles NW Beira.

Distribution: Type locality only (1963).

***Hadrobolus* Cook, 1897**

Cook 1899a; Schubart 1966

Type species: *Hadrobolus crassicolis* (Peters, 1855)***Hadrobolus crassicolis* (Peters, 1855)**

Cook 1897 1899a; Schubart 1966; Lawrence 1967

Spirobolus crassicolis Peters, 1855. Peters 1862

Types: ZMHB. Type locality: Mozambique: Island of Mozambique.

Distribution: Type locality only (1855*).

Microbolus* Lawrence, 1967**Type species: *Microbolus broadleyi* Lawrence, 1967Microbolus broadleyi* Lawrence, 1967**

Types: NMSA. Type locality: Mozambique: Bandula, Manica.

Distribution: Type locality only (1965).

Pachybolidae genera incorrectly recorded from Southern Africa***Spirobolus* Brandt, 1833*****Spirobolus arcuosus* Porat, 1893**

Attems 1928; Jeekel 1956; Schubart 1966; Hoffman 1971a

Types: NHRS. Type locality: Namibia: Damaraland.

Distribution: Type locality only (1833*).

Note: Hoffman (1971a) examined the type specimen to find that the gonopods were missing. The taxonomic status of this species remains uncertain. Hoffman (1971a) suggested that the locality label might be incorrect and that the specimen may have had an Indian origin.

Pachybolidae species incertae sedis*Spirobolus mundus* Karsch, 1881

Order: Spirostreptida Brandt, 1833

Julomorphidae Verhoeff, 1924

***Julomorpha* Porat, 1872**

Attems 1908 1928; Schubart 1966

Julomorpha (Hypochlorella) Attems, 1928Type species: *Julomorpha kinbergi* Porat, 1872***Julomorpha (Julomorpha) asuturalis* Schubart, 1966**

Types: MZLU. Type locality: RSA: E.Cape: Tsitsikama Forest, Stormsriver.

Distribution: RSA: E.Cape: Tsitsikama (Stormsriver; Stormsriver Peak (1951)).

***Julomorpha (Julomorpha) celer* Attems, 1928**

Schubart 1966

Types: SAMC. Type locality: RSA: W.Cape: Not specified.

Distribution: RSA: W.Cape: Caledon (Houw Hoek; Steenbras River); Hottentots Holland Mts; Viljoenspass, 5 miles NNE Grabouw (1951).

***Julomorpha (Julomorpha) cicur* Attems, 1928**

Schubart 1966

Types: SAMC. Type locality: RSA: W.Cape: Caledon.

Distribution: Type locality only (1928*).

***Julomorpha (Julomorpha) compacta* Schubart, 1966**

Types: MZLU. Type locality: RSA: W.Cape: Table Mtn, Echo Valley.

Distribution: Type locality only (1950).

***Julomorpha (Julomorpha) dutoiti* Schubart, 1966**

Types: MZLU. Type locality: RSA: W.Cape: Jonkershoek, 6 miles E Stellenbosch.

Distribution: Type locality only (1956).

***Julomorpha (Julomorpha) fortis* Attems, 1928**

Schubart 1966

Types: SAMC. Type locality: RSA: W.Cape: Peninsula.

Distribution: RSA: W.Cape: exact localities not given (1928*).

***Julomorpha (Julomorpha) hilaris* Attems, 1928**

Schubart 1966

Types: SAMC. Type locality: RSA: W.Cape: Table Mtn.

Distribution: RSA: W.Cape: Peninsula (Hout Bay; Table Mtn, Kirstenbosch (both 1951)).

***Julomorpha (Julomorpha) ignava* Attems, 1928**

Schubart 1966

Types: SAMC. Type locality: RSA: W.Cape: St James.

Distribution: Type locality only (1928*).

***Julomorpha (Julomorpha) kinbergi* Porat, 1872**

Attems 1928; Schubart 1966

Julomorpha kinbergi Porat, 1872. Attems 1908*Julomorpha schultzei* Attems, 1909b

Types: ? Type locality: 'Caput bonae Spei' (Porat, 1872*).

Distribution: RSA: W.Cape: Peninsula (Cape Flats; Newlands; Signal Hill; Simonstown; Table Mtn (1951)); Worcester.

***Julomorpha (Julomorpha) montana* Schubart, 1966**

Types: MZLU. Type locality: Lesotho: Makheke Mts, 15 miles ENE Mokhotlong.

Distribution: Type locality only (1951).

***Julomorpha (Julomorpha) pallida* (Attems, 1928)**

Schubart 1966

Julomorpha (Hypochlorella) pallida Attems, 1928

Types: SAMC. Type locality: RSA: W.Cape: Riviersonderend.

Distribution: Type locality only (1928*).

***Julomorpha (Julomorpha) rudis* Attems, 1928**

Schubart 1966

Types: SAMC. *Type locality*: RSA: W.Cape: Swellendam.

Distribution: Type locality only (1928*).

***Julomorpha (Julomorpha) tarda* Attems, 1928**

Schubart 1966

Types: SAMC. *Type locality*: RSA: W.Cape: Worcester, Brand Vlei.

Distribution: Type locality only (1928*).

***Julomorpha (Julomorpha) tristis* Attems, 1928**

Schubart 1966

Types: SAMC. *Type locality*: RSA: W.Cape: Ceres.

Distribution: Type locality only (1928*).

***Stenjulomorpha* Schubart, 1966**

Schubart 1966

Type species: *Stenjulomorpha rixosa* (Attems, 1928)

Note: Listed as a subgenus by Schubart (1966), but with full genus status by Hoffman (1980).

***Stenjulomorpha concors* (Attems, 1928)**

Julomorpha (Julomorpha) concors Attems, 1928

Julomorpha (Stenjulomorpha) concors Schubart 1966

Types: SAMC. *Type locality*: RSA: E.Cape: Hogsback nr Alice.

Distribution: Type locality only (1928*).

***Stenjulomorpha panda* (Schubart, 1966)**

Julomorpha (Stenjulomorpha) panda Schubart, 1966.

Types: MZLU. *Type locality*: RSA: E.Cape: Tsitsikama Forest, Stormsriver Peak.

Distribution: Type locality only (1951).

***Stenjulomorpha penicillata* (Schubart, 1966)**

Julomorpha (Stenjulomorpha) penicillata Schubart, 1966

Types: MZLU. *Type locality*: RSA: E.Cape: Tsitsikama Forest, Stormsriver and Stormsriver Peak.

Distribution: Type locality only (1951).

***Stenjulomorpha rixosa* (Attems, 1928)**

Julomorpha (Julomorpha) rixosa Attems, 1928

Julomorpha (Stenjulomorpha) rixosa Schubart 1966

Types: SAMC. *Type locality*: RSA: E.Cape: Hogsback nr Alice.

Distribution: Type locality only (1928*).

Spirostreptidae Brandt, 1833

***Archispirostreptus* Silvestri, 1895**

Silvestri 1896a; Brölemann 1920; Hoffman 1965; Demange 1970; Krabbe 1982

Graphidostreptus Attems, 1909c. Attems 1914b 1928; Carl 1941; Schubart 1951 1966

Aethiopistreptus Verhoeff, 1939a

Type species: *Archispirostreptus gigas* (Peters, 1855)

***Archispirostreptus conatus* (Attems, 1928)**

Hoffman 1971b; Krabbe 1982

Triaenostreptus conatus Attems, 1928. Schubart 1966; Lawrence 1966

Types: SAMC. *Type locality*: Mozambique: Masiene nr Chai Chai.

Distribution: RSA: KNP: Nyandu sandveld; Pumbe picket (1963); between Saselandongapoort and Mahlakuza Pan (1963). Mozambique: Chai Chai (Masiene); Zandemela. Zimbabwe: Chimanimani Mts; Mt. Silinda.

***Archispirostreptus gigas* (Peters, 1855)**

Silvestri 1895 1932; Brölemann 1920; Krabbe 1982

Spirostreptus gigas Peters, 1855. Peters 1862; Porat 1872; Matozzo 1882; Saussure & Zehntner 1902

Spirostreptus procerus Gerstäcker, 1873

Spirostreptus plumaceus Voges, 1878

Spirostreptus semicylindricus Voges, 1878. Attems 1896

Spirostreptus opistheurus Attems, 1902

Graphidostreptus gigas Attems 1914b. Attems 1928; Gerhardt 1933; Manfredi 1936 1949; Carl 1941; Schubart 1951 1966

Aethiopistreptus attemsi Verhoeff, 1939a

Spirostreptus msalaensis Kraus, 1958a

Types: ZMUH. *Type locality:* Mozambique: Tette, Rios de Sena.

Distribution: RSA: KNP: Letaba; between Punda Maria and Shingwedzi (1955). Mozambique: Tette, Rios de Sena. Kenya. Somalia. Tanzania: Zanzibar.

***Bicoidens* Attems, 1928**

Attems 1926; Schubart 1966; Hoffman 1971b; Krabbe 1982

Rhodesiostreptus Schubart, 1966

Type species: *Bicoidens nigerrimus* Attems, 1928

***Bicoidens brincki* Schubart, 1966**

Lawrence 1966; Krabbe 1982

Types: MZLU. *Type locality:* RSA: KNP: between Punda Maria and Shingwedzi.

Distribution: Type locality only (1951).

***Bicoidens flavicollis* Attems, 1928**

Lawrence 1965; Schubart 1966; Krabbe 1982

Types: SAMC. *Type locality:* Zimbabwe: Umtali.

Distribution: Zimbabwe: Umtali; Vumba (1955).

***Bicoidens grandis* Lawrence, 1965**

Krabbe 1982

Types: NMSA. *Type locality:* Zimbabwe: Birchenough Bridge.

Distribution: Type locality only (1962).

***Bicoidens matabele* (Schubart, 1966)**

Hoffman 1971b; Krabbe 1982

Rhodesiostreptus matabele Schubart, 1966

Types: MZLU. *Type locality:* Zimbabwe: Jessie, 5 miles WNW West Nicholson.

Distribution: Type locality only (1951).

***Bicoidens nigerrimus* Attems, 1928**

Schubart 1966; Lawrence 1966; Krabbe 1982

Types: SAMC. *Type locality:* Zimbabwe: Harare.

Distribution: RSA: KNP: Hapi dam area, Pafuri (1966*). Zimbabwe: Harare; Bulawayo.

***Calostreptus* Cook, 1896b**

Attems 1914b 1928; Schubart 1966; Lawrence 1973; Demange & Mauries 1975; Krabbe 1982

Type species: *Calostreptus chelys* Cook, 1896b

***Calostreptus carinatus* Attems, 1928**

Schubart 1966; Lawrence 1973; Krabbe 1982

Types: SAMC. *Type locality:* Zimbabwe: Harare.

Distribution: Zimbabwe: Harare; Buzi River, Revue Bridge (1971).

***Camaricoproctus* Attems, 1926**

Attems 1928; Lawrence 1965; Schubart 1966; Krabbe 1982

Type species: *Camaricoproctus bombycinus* Attems, 1928

Note: Hoffman (1980) suggested that members of *Camaricoproctus* are not typical of the Spirostreptidae, and should perhaps be moved to the Harpagophoridae as a subfamily.

***Camaricoproctus bombycinus* Attems, 1928**

Jeekel 1956; Schubart 1966; Krabbe 1982

Types: SAMC. *Type locality:* Not specified.

Distribution: RSA: W.Cape: Ashton; Avontuur Pass; Caledon; Matjesfontein; Riviersonderend (all 1928*).

***Camaricoproctus disparatidens* Lawrence, 1965**

Krabbe 1982

Types: NMSA. Type locality: RSA: KZN: Durban, Burman Bush.

Distribution: Type locality only (1963).

***Camaricoproctus gracilidens* Lawrence, 1965**

Krabbe 1982

Types: NMSA. Type locality: RSA: E.Cape: Bosberg slopes, Somerset East.

Distribution: Type locality only (1964).

***Camaricoproctus pauciannulatus* Jeekel, 1956**

Lawrence 1965; Schubart 1966; Krabbe 1982

Types: ZMAN. Type locality: RSA: NWP: Castle Gorge, between Hartebeestpoort Dam and Rustenburg.

Distribution: Type locality only (1938).

***Camaricoproctus planidens* Lawrence, 1965**

Krabbe 1982

Types: NMSA. Type locality: RSA: KZN: Kranskop.

Distribution: RSA: KZN: Drummond; Kranskop (1954); Krantzklouf nr Durban.

***Camaricoproctus torquidens* Lawrence, 1965**

Krabbe 1982

Types: NMSA. Type locality: RSA: KZN: Tugela River, Jameson's Drift.

Distribution: Type locality only (1940).

***Camaricoproctus transvaalicus* Lawrence, 1966**

Lawrence 1965; Krabbe 1982

Types: NMSA. Type locality: RSA: KNP: Olifantspoort area, Msimbit Forest, nr Pafuri.

Distribution: RSA: KNP: Gomondwane; Krokodil Bridge; Msimbit forest (1962); Mwambiya pan; Punda Maria.

***Camaricoproctus tumididens* Lawrence, 1965**

Krabbe 1982

Types: NMSA. Type locality: RSA: KZN: Port Shepstone, Oribi Gorge.

Distribution: RSA: E.Cape: Umngazi River mouth nr Port St Johns. KZN: Oribi Gorge (1936).

***Doratogonus* Attems, 1914b**

Attems 1928 1934; Schubart 1966; Demange 1970; Krabbe 1982; Hoffman & Howell 1983; Hoffman 1987 1996

Alloporus Porat, 1876. Saussure & Zehntner 1902; Attems 1914 1928 1950; Krabbe 1982Type species: *Doratogonus setosus* (Voges, 1878)

Note: Hoffman (1987) examined the single, poorly preserved, female holotype of the type species *Alloporus dissimilis*. He established that those species assigned to *Alloporus* did not agree with the features of this specimen and the younger name of *Doratogonus* was revived. All species, except *A. dissimilis*, have been moved to *Doratogonus* since *Alloporus* obviously has uncertain status. Material examined by Hoffman revealed that *Doratogonus* might be a heterogeneous genus, and he suggested that a detailed study is necessary.

Doratogonus annulipes* Carl, 1917Doratogonus (Doratogonus) annulipes* Attems 1928; Schubart 1966*Alloporus annulipes* Krabbe 1982

Types: SAMC. Type locality: Not specified.

Distribution: RSA: E.Cape: Alexandria State Forest (1964); Cookhouse; East London; Graaff-Reinet; Grahamstown. N.Cape: De Aar; Hanover. W.Cape: George; Knysna Forest; Montagu; Pacaltsdorp; Victoria West (Hagenaars Kraal). Lesotho: Mount Morosi, 15 miles NE Quthing; Mount Machache, 25 miles E Maseru.

Doratogonus bilobatus* (Schubart, 1966), comb. n.Alloporus (Alloporus) bilobatus* Schubart, 1966*Alloporus bilobatus* Lawrence 1966; Krabbe 1982

Types: MZLU. Type locality: RSA: KNP: between Skukuza and Pretoriuskop camp.

Distribution: RSA: KNP: Pretoriuskop (1969); Skukuza; between Skukuza and Pretoriuskop camp.

Note: Lawrence (1966) suggested that this species is probably synonymous with *D. castaneus*, but he did mention a difference in gonopod structure, and the synonymy has never been formalised.

***Doratogonus (Doratogonus) capricornis* Attems, 1928**

Schubart 1966

Alloporus capricornis Krabbe 1982*Types*: SAMC. *Type locality*: RSA: Gauteng: Krugersdorp (1928*).*Distribution*: Type locality only.***Doratogonus castaneus* (Attems, 1928), *comb. n.****Alloporus castaneus* Attems, 1928. Attems 1950; Lawrence 1965 1966; Krabbe 1982*Alloporus (Alloporus) castaneus* Schubart 1966*Types*: SAMC. *Type locality*: Not specified.*Distribution*: RSA: KNP: Krokodilbrug; Pretoriuskop; Skukuza (1960–1965). Mpumalanga: Komatipoort; Nelspruit. N.Prov: Louis Trichardt; Magoebaskloof; Waterberg.***Doratogonus circulus* (Attems, 1914), *comb. n.****Alloporus circulus* Attems, 1914. Attems 1928 1950; Lawrence 1965; Krabbe 1982*Alloporus (Alloporus) circulus* Schubart 1966*Types*: MNHN. *Type locality*: RSA: E.Cape: Port Elizabeth.*Distribution*: RSA: E.Cape: East London (1927); Port Elizabeth.***Doratogonus cristulatus* (Porat, 1872)**

Hoffman 1987

Spirostreptus cristulatus Porat, 1872*Doratogonus (Doratogonus) setosus uncinatus* Attems, 1928*Doratogonus setosus uncinatus* Attems 1934; Schubart 1966*Alloporus setosus uncinatus* Krabbe 1982*Types*: NHRS. *Type locality*: RSA: 'Caffraria'.*Distribution*: RSA: KZN: Drakensberg (RNNP, Gudu Falls (1951)); Durban (Bluff); Howick (Karkloof Falls); Krantzkop; Rietvlei; Umvoti.***Doratogonus flavifilis* (Peters, 1855)**

Attems 1934; Lawrence 1966

Spirostreptus flavifilis Peters, 1855. Peters 1862*Doratogonus (Doratogonus) flavifilis* Attems 1914 1928; Schubart 1966*Alloporus flavifilis* Krabbe 1982*Types*: ZMHB? *Type locality*: Mozambique: Cabeceira Peninsula on Mozambique Island.*Distribution*: RSA: KNP (various localities). KZN: Hluhluwe Game Reserve; Umfolozi (Mseleni). Mpumalanga: Nelspruit. Mozambique: Cabaceira Peninsula; Chai Chai (Masiene). Zimbabwe: Haroni River (1965); Umtali. Zambia.***Doratogonus furculifer* (Lawrence, 1965), *comb. n.****Alloporus furculifer* Lawrence, 1965. Krabbe 1982*Types*: NMSA. *Type locality*: RSA: Mpumalanga: between Badplaas and Barberton.*Distribution*: Type locality only (1939).***Doratogonus krausi* (Lawrence, 1965), *comb. n.****Alloporus krausi* Lawrence, 1965. Krabbe 1982*Types*: NMSA. *Type locality*: RSA: KZN: Nkandhla Forest.*Distribution*: RSA: KZN: Ngome Forest (1960); Nkandhla Forest.***Doratogonus levigatus* (Attems, 1928), *comb. n.****Alloporus levigatus* Attems, 1928. Attems 1950. Lawrence 1965 1966; Krabbe 1982*Alloporus (Alloporus) levigatus* Schubart 1966*Types*: SAMC. *Type locality*: Not specified.*Distribution*: RSA: Gauteng: Krugersdorp; Pretoria. KNP: Gomondwane; Letaba. Mpumalanga: Komatipoort; Nelspruit (1962). NWP: Florida.***Doratogonus major* (Lawrence, 1965), *comb. n.****Alloporus major* Lawrence, 1965. Krabbe 1982*Types*: NMSA. *Type locality*: RSA: KZN: Gwaliweni Forest.*Distribution*: Type locality only (1957).***Doratogonus peregrinus* (Lawrence, 1965), *comb. n.****Alloporus peregrinus* Lawrence, 1965. Krabbe 1982*Types*: NMSA. *Type locality*: RSA: KZN: Albert Falls.*Distribution*: KZN: Albert Falls (1960); Nkandhla Forest.

Doratogonus rhodesianus* (Chamberlin, 1927), comb. n.Alloporus rhodesianus* Chamberlin, 1927. Attems 1950; Lawrence 1965; Krabbe 1982*Alloporus* (*Alloporus*) *rhodesianus* Schubart 1966

Types: AMNH. Type locality: Zimbabwe: no details.

Distribution: Type locality only (1927*).

Doratogonus rugifrons* (Attems, 1922a), comb. n.Alloporus rugifrons* Attems, 1922a. Attems 1928 1950; Lawrence 1965; Krabbe 1982*Alloporus* (*Alloporus*) *rugifrons* Schubart 1966

Types: SAMC. Type locality: Not specified.

Distribution: Namibia: Okahandja; Otjituo; Swakopmund; Windhoek; Zoekmekaar (all 1928*).

***Doratogonus setosus* (Voges, 1878)**

Attems 1914b 1934; Lawrence 1966; Hoffman 1987

Spirostreptus setosus Voges, 1878*Doratogonus* (*Doratogonus*) *setosus* Attems 1928*Doratogonus* (*Doratogonus*) *setosus setosus* Schubart 1966*Alloporus setosus* Krabbe 1982

Types: ZMUH. Type locality: RSA: KZN: 'Port Natal'.

Distribution: RSA: KZN: Durban (Bluff); Pietermaritzburg (1996); Port Shepstone; Umhlali; Umzimkulu; Weenen area between Bloukrans and Tugela Rivers.

Doratogonus stylifer* (Peters, 1855)Spirostreptus stylifer* Peters, 1855. Peters 1862*Spirostreptus macrotis* Gerstäcker, 1873*Spirostreptus cephalotes* Voges, 1878*Spirostreptus fasciatus* Voges, 1878*Doratogonus* (*Otostreptus*) *stylifer* Attems 1914 1928*Otostreptus stylifer* Schubart 1966*Alloporus stylifer* Krabbe 1982

Types: ZMHB. Type locality: Mozambique: Rios de Sena.

Distribution: Mozambique: Matondo nr Tete; Rios de Sena (1855*). Madagascar. Tanzania. Zanzibar.

***Doratogonus subpartitus* (Karsch, 1881)**

Hoffman 1996

Spirostreptus subpartitus Karsch, 1881*Alloporus falcatus* Attems, 1928. Attems 1934 1950; Lawrence 1965; Krabbe 1982*Alloporus* (*Alloporus*) *falcatus* Schubart 1966

Types: SAMC. Type locality: RSA: NWP: Venterskroon, nr Potchefstroom.

Distribution: RSA: KZN: Drakensberg (Champagne Castle); Greytown; Ladysmith (junction of Bloukrans and Tugela Rivers nr Weenen); Middel drift on Tugela River nr Kranskop; South Coast. NWP: Venterskroon. Zimbabwe: Umtali (1961).

Doratogonus transvaalensis* (Schubart, 1966), comb. n.Alloporus transvaalensis* Schubart, 1966. Krabbe 1982*Alloporus* (*Alloporus*) *transvaalensis* Schubart 1966

Types: MZLU. Type locality: RSA: N.Prov: Soutpansberg, Barotta, 27 miles E Louis Trichardt.

Distribution: Type locality only (1951).

Doratogonus uncinatus* (Attems, 1914), comb. n.Alloporus uncinatus* Attems, 1914. Attems 1928 1950; Lawrence 1965; Krabbe 1982*Alloporus* (*Alloporus*) *uncinatus* Schubart 1966

Types: MNHN. Type locality: Malaŵi: Shire.

Distribution: Mozambique: Chai Chai (Masiene); Xiluvo, 65 miles NW Beira. Zimbabwe: Harare (Chisawasha); Hwange National Park; Inyanga village; Mangwende (1997*); Marondera; Mazoe Dam; Victoria Falls. Malaŵi.

Doratogonus xanthopus* Attems, 1928Doratogonus* (*Doratogonus*) *xanthopus* Attems, 1928. Schubart 1966*Alloporus xanthopus* Krabbe 1982

Types: SAMC. Type locality: RSA: E.Cape: Port St Johns.

Distribution: RSA: E.Cape: Port St Johns. Mpumalanga: Mariepskop (1966).

***Kartinikus* Attems, 1914**

Attems 1928 1950; Kraus 1958*b*; Schubart 1966; Krabbe 1982

Type species: *Kartinikus australis* Attems, 1914*b*

Kartinikus australis Attems, 1914*b*

Attems 1928 1934 1950; Schubart 1966; Krabbe 1982

Charactopygus frequens Attems, 1938*b*

Epistreptus (Epistreptus) australis Attems 1950

Scaphiostreptus frequens Attems 1950

Epistreptus australis Attems 1953

Types: ZMHB. Type locality: no details.

Distribution: South Africa. Namibia (no details). Rwanda. Democratic Republic of Congo.

***Lophostreptus* Cook, 1895**

Cook 1896*b*; Pocock 1896; Brölemann 1903; Attems 1909 1914 1928 1938; Carl 1909; Schubart 1966; Lawrence 1973; Demange & Mauries 1975; Krabbe 1982

Carlostreptus Verhoeff, 1941

Lophogonus Demange & Mauries, 1975

Type species: *Lophostreptus magnus* (Karsch, 1881)

***Lophostreptus cameranii* Silvestri, 1896**

Attems 1914 1928; Schubart 1966; Lawrence 1973; Krabbe 1982

Types: MIZT?. Type locality: Zambia: Kazungula.

Distribution: Mozambique: Serra Rotunda E of Chimanimani Mts (1970). Zimbabwe: Bulawayo; Nyamandhlova; Plumtree; Stapleford Forest Reserve. Zambia.

***Lophostreptus ulopygus* Attems, 1928**

Schubart 1966; Lawrence 1966 1973; Krabbe 1982

Types: SAMC. Type locality: RSA: Not specified.

Distribution: RSA: Mpumalanga: Barberton; Kaapmuiden. N.Prov: Pietersberg. NWP: Venterskroon. (all 1928*)

***Orthoporoides* Krabbe, 1982**

Orthoporus (nec Silvestri 1897*c*). Schubart 1966

Gymnostreptus (Orthoporus) Attems, 1914*b* 1928

Type species: *Orthoporoides tabulinus* (Attems, 1914*b*)

***Orthoporoides corrugatus* (Attems, 1934)**

Krabbe 1982

Gymnostreptus corrugatus Attems, 1934. Lawrence 1952

Orthoporus corrugatus Schubart 1966

Types: NMSA. Type locality: Not specified.

Distribution: RSA: KZN: Kosi Bay; Umfolozi (both 1934*).

***Orthoporoides hamifer* (Attems, 1950)**

Krabbe 1982

Scaphiostreptus hamifer Attems, 1950

Types: NHMW. Type locality: no details.

Distribution: Lesotho (1950*). East Africa.

***Orthoporoides laccatus* (Attems, 1934)**

Krabbe 1982

Scaphiostreptus (Scaphiostreptus) laccatus Attems, 1934

Scaphiostreptus laccatus Attems 1950

Orthoporus laccatus Schubart 1966

Types: SMFD. Type locality: RSA: KZN: Hlabisa nr Hluhluwe Game Reserve.

Distribution: RSA: KZN: Hlabisa nr Hluhluwe Game Reserve; St Lucia W coast (1934*).

***Orthoporoides pontifex* (Attems, 1928), comb. n.**

Gymnostreptus (Orthoporus) pontifex Attems, 1928

Gymnostreptus pontifex Attems 1934

Orthoporus pontifex Schubart 1966

Types: SAMC. Type locality: Not specified.

Distribution: RSA: KZN: Dukuduku forest; Kosi Bay; St Lucia; Umhlanga Bush. Mozambique: Chai Chai (Zandemela; Masiene). Zimbabwe: Chimanimani Mts (1963).

***Orthoporoides pyrrocephalus* (L. Kock, 1865)**

Krabbe 1982

Spirostreptus pyrrocephalus L. Kock, 1865*Archispirostreptus pyrrocephalus* Lancaster 1904*Gymnostreptus (Orthoporus) pyrrocephalus* Attems 1914*Gymnostreptus (Orthoporus) pyrrocephalus* Attems 1928*Gymnostreptus pyrrocephalus* Attems 1934; Lawrence 1952; Demange 1957*Scaphiostreptus (Scaphiostreptus) pyrrocephalus* Attems 1950*Orthoporus pyrrocephalus* Schubart 1966; Barnett, Telford & de Villiers 1991*Types*: ZMUH (holotype); ZMHB (syntype). *Type locality*: RSA: W.Cape: Algoa Bay.*Distribution*: RSA: E.Cape: Adelaide; Barkly East; Bloukrans River; Grahamstown (Drivers Hill); Hogsback; Port Elizabeth; Zuurberg Pass. KZN: Dargle; Drakensberg (Champagne Castle); Drummond; Kranskop; Mazongwaan Forest nr Kranskop; Pietermaritzburg (Bisley (1960)); Weenen. Mpumalanga: Barberton. W.Cape: Algoa Bay; Avontuur Pass; Bainskloof, 5 miles E Wellington; Burghersdorp; 20 miles N Citrusdal; Colesberg; Commandofontein; Great Winterhoek; Greys Pass; Groot Rivier; Matjesfontein; Montagu; Nature's Valley; Olifantsrivier Berg; Onder Bokkeveld; Piketberg; Prince Albert; Tulbagh; Zwartberg Pass. Lesotho: Mt. Morosi; Qachas Nek, 20 miles N Matatiele. Swaziland: Mbabane.***Orthoporoides tabulinus* (Attems, 1914)**

Krabbe 1982

Gymnostreptus (Orthoporus) tabulinus Attems, 1914. Attems 1928*Gymnostreptus tabulinus* Attems 1934; Lawrence 1952*Scaphiostreptus tabulinus* Attems 1950*Orthoporus tabulinus* Schubart 1966*Types*: ZMHB. *Type locality*: RSA: W.Cape: Table Mtn.*Distribution*: RSA: W.Cape: Arniston; Caledon (Houw Hoek; Steenbras Dam area (1951)); De Hoop Vlei; Franches Kraal; Franschoek; Gordons Bay; Graaff-Reinet; Great Winterhoek; Gouda; Hermanus; Knysna; Kogmanskloof; Krakadouw Pass; Montagu; Oude Kraal; Outeniqua Mts; Paarl; Peninsula (Camps Bay; Cape Flats; Cape Point; Hout Bay; Kalk Bay; Kirstenbosch; Kommetjie; Orange Kloof; Simonstown; Table Mtn (1951)); Piketberg; Riversdale; Riviersonderend; Slanghoek; Swellendam; Tulbush.***Orthoporoides tabulinus exaratus* (Attems, 1928)**

Krabbe 1982

Gymnostreptus (Orthoporus) tabulinus var. *exaratus* Attems, 1928. Attems 1934*Orthoporus tabulinus* var. *exaratus* Schubart 1966*Types*: SAMC. *Type locality*: RSA: W.Cape: Hermanus.*Distribution*: RSA: E.Cape: Port St Johns (1928*). W.Cape: Gans Bay (Franches Kraal); Hermanus.***Orthoporoides zulu* (Chamberlin, 1947)**

Krabbe 1982

Orthoporus zulu Chamberlin, 1947. Schubart 1966*Types*: PANS. *Type locality*: KZN: Umvoti River nr mission station.*Distribution*: Type locality only (1947*).***Plagiotaphrus* Attems, 1914b**

Attems 1928; Schubart 1966; Hoffman 1971b; Krabbe 1982

Megaskamma Attems, 1934*Type species*: *Plagiotaphrus sulcifer* Attems, 1914b***Plagiotaphrus longius* Attems, 1928**

Schubart 1966; Hoffman 1971b; Krabbe 1982

Types: SAMC. *Type locality*: Zimbabwe: Mutare.*Distribution*: Type locality only (1928*).

Note: Doubt exists about the generic position of this species (Hoffman 1971b).

***Synophryostreptus* Attems, 1926**

Attems 1928; Schubart 1966; Demange 1970; Krabbe 1982

Krugerostreptus Schubart, 1966. Demange & Mauries 1975*Type species*: *Synophryostreptus punctatus* Attems, 1928

***Synophryostreptus carli* (Attems, 1928)**

Krabbe 1982

Lophostreptus carli Attems, 1928. Attems 1938; Schubart 1966; Lawrence 1973*Krugerostreptus carli* Demange & Mauries 1975*Types*: SAMC. *Type locality*: Mozambique: Masiene nr Chai Chai.*Distribution*: Type locality only (1928*).***Synophryostreptus punctatus* Attems, 1928**

Schubart 1966; Krabbe 1982

Tibiozus punctatus Attems 1950*Types*: SAMC. *Type locality*: RSA: NWP: Junction of Crocodile and Marico Rivers.*Distribution*: Type locality only (1928*).***Synophryostreptus rugosostriatus* (Schubart, 1966)**

Krabbe 1982

Krugerostreptus rugosostriatus Schubart, 1966. Demange & Mauries 1975*Lophostreptus rugosostriatus* Lawrence 1966 1973*Types*: MZLU. *Type locality*: RSA: KNP, Leeupan, 15 miles NE Skukuza.*Distribution*: RSA: KNP: Leeupan; Skukuza Rest camp (1962). Mpumalanga: Komatipoort. N.Prov: Leydsdorp.***Triaenostreptus* Attems, 1914b**

Attems 1928; Schubart 1966; Hoffman 1971b; Krabbe 1982

Type species: *Triaenostreptus triodus* (Attems, 1909b)***Triaenostreptus kruegeri* Attems, 1928**

Hoffman 1971b; Krabbe 1982

Triaenostreptus krügeri Attems, 1928*Triaenostreptus kruegeri* Schubart 1966*Types*: SAMC. *Type locality*: Gauteng: Krugersdorp.*Distribution*: RSA: Gauteng: Krugersdorp; Pretoria (1961). Botswana: Gaborone.***Triaenostreptus kymatorhabdus* Attems, 1914b**

Attems 1922 1928; Schubart 1966; Hoffman 1971b; Krabbe 1982

Types: ZMHB. *Type locality*: Namibia: Walvis Bay.*Distribution*: Namibia: Walvis Bay area (1922); Windhoek.***Triaenostreptus petersi* (Karsch, 1881)**

Attems 1914b 1928; Schubart 1966; Hoffman 1971b; Krabbe 1982

Spirostreptus (Nodopyge) petersi Karsch, 1881*Types*: ZMHB. *Type locality*: Mozambique: Tete.*Distribution*: Mozambique: Beira; Tete. Zimbabwe: Gokwe (1964); Mazoe.***Triaenostreptus triodus* (Attems, 1909b)**

Attems 1914b 1928; Schubart 1966; Hoffman 1971b; Krabbe 1982

Spirostreptus triodus Attems, 1909b*Types*: ZMHB. *Type locality*: Syntypes from three localities in Kalahari Desert (Kang; between Kang and Kgokong; between Lookaneng and Severelela).*Distribution*: RSA: N.Cape: Kimberley; Upington. Botswana: Kang; between Kang and Kgokong; between Lookaneng and Severelela. Namibia: Ababis nr Maltahöhe; Grootberg Mts (1969); Grootfontein; Okahandja; Okavango; Otjimbingwe; Otjiwarongo; Outjo; Windhoek. Zambia.

Note: Hoffman (1971b) suggested that a number of species might be represented by the material from the localities listed above.

***Triaenostreptus unciger* Attems, 1928**

Schubart 1966; Hoffman 1971b; Krabbe 1982

Types: SAMC. *Type locality*: RSA: NWP: Vryburg.*Distribution*: Type locality only (1928*).**Spirostreptidae genera incertae sedis*****Alloprus* Porat, 1872**

Holotype material of the type species, *A. dissimilis*, consists only of disarticulated pieces of a female. Even from these, however, it was obvious to Hoffman (1987), that the species subsequently assigned to *Alloprus*, do not belong to this genus; but rather to *Doratogonus*.

***Alloporus dissimilis* Porat, 1872**

Hoffman 1987

Types: NRMS. *Type locality:* RSA: 'Caffraria'.*Distribution:* Known from type specimen only (1872*).***Spirostreptus* Brandt, 1833**

There is much uncertainty about the status of this genus. The type species, *S. sebae* Brandt, 1833, actually belongs to *Triaenostreptus* (Hoffman, *pers. comm.*).

***Spirostreptus semilunaris* Peters, 1855**

Peters 1862; Attems 1914b 1928 1950; Schubart 1966; Krabbe 1982

Spirostreptus macrotis Attems, 1896*Types:* ZMHB. *Type locality:* Mozambique: Rios de Sena.*Distribution:* Mozambique: Quelimane (1895/6*); Rios de Sena; Tette. Tanzania.**Spirostreptidae genera incorrectly recorded for Southern Africa*****Urotropis* Silvestri, 1896a*****Urotropis micropora* Attems, 1914b**

Attems 1928; Schubart 1966; Krabbe 1982

Types: ZMHB. *Type locality:* RSA, no details.*Distribution:* Type locality only (1914*).**Spirostreptidae species incorrectly recorded for Southern Africa*****Orthoporoides*(?) *poculifer* (Silvestri, 1897b)**

Krabbe 1982

Orthoporus poculifer Silvestri, 1897b. Jeekel 1963; Mauries 1975*Gymnostreptus* (*Orthoporus*) *poculifer* Attems 1914*Scaphiostreptus* (*Scaphiostreptus*) *diphialephorus* Attems, 1914. Attems 1928*Orthoporus conchophor* Chamberlin, 1927*Gymnostreptus conchophor* Attems 1934*Gymnostreptus* (*Orthoporus*) *conchophor longiconus* Attems, 1934*Gymnostreptus conchophor longiconus* Attems 1938b*Scaphiostreptus longiconus* Attems 1950; 1953*Scaphiostreptus diphialephorus* Attems 1950. Schubart 1966*Scaphiostreptus* (*Scaphiostreptus*) *poculifer* Attems 1950*Types:* ISNB. *Type locality:* French Guayana?

Distribution: Some specimens in ZMHB are labelled 'South Africa', but these are the only representatives of this species ever collected in Southern Africa. Attems (1914) considered the possibility that the label is incorrect and Hoffman (*pers. comm.*) supports this belief. The only reliable localities for this species are in the Democratic Republic of Congo (Hoffman, *pers. comm.*).

Spirostreptidae species *incertae sedis* (Attems 1928; Krabbe 1982)*Alloporus transvaalicus* Daday, 1889*Spirostreptus heros* Porat, 1872*Spirostreptus melanopus* Porat, 1872*Spirostreptus notatus* Porat, 1872*Spirostreptus ruficeps* Brandt, 1841*Spirostreptus wahlbergi* Porat, 1872

The descriptions of the following species are practically useless and the types are mainly females (Attems 1928):

Spirostreptus adumbratus Porat, 1872*Spirostreptus angulicollis* Karsch, 1881*Spirostreptus annulatus* Porat, 1872*Spirostreptus anodontus* Cook & Collins, 1893*Spirostreptus brevicornis* Brandt, 1841*Spirostreptus capensis* Brandt, 1841*Spirostreptus coarctatus* Porat, 1872*Spirostreptus corvinus* Koch, 1865*Spirostreptus flavofasciatus* Brandt, 1841*Spirostreptus gracilis* Brandt, 1841

Spirostreptus graeffi Kock, 1865
Spirostreptus jallae Silvestri, 1898
Spirostreptus laticollis Brandt, 1841
Spirostreptus limbatus Porat, 1872
Spirostreptus melanopygus Brandt, 1841
Spirostreptus rotundatus Brandt, 1841
Spirostreptus trigonyger Brandt, 1841
Spirostreptus triplicatus Brandt, 1841
Spirostreptus validus Brandt, 1841

Harpagophoridae

***Harpagophora* Attems, 1909b**

Attems 1914b 1928; Lawrence 1965; Schubart 1966; Demange 1983

Type species: *Harpagophora diplocrada* Attems, 1909b

Note: Hoffman (1994) suggested that *Harpagophora* might be polyphyletic.

***Harpagophora* (*Harpagophorella*) *alokopyga* Attems, 1909b**

DeMange 1983

Harpagophora alkopyga Attems 1914 1928; Schubart 1966

Types: ZMHB (syntypes). Type locality: RSA: N.Cape: Kammagas.

Distribution: Type locality only (1909*).

***Harpagophora* (*Harpagophora*) *diplocrada* Attems, 1909b**

DeMange 1983

Harpagophora diplocrada Attems 1914 1922 1926 1928; Schubart 1966; Jeekel 1970

Types: ? Type locality: Not specified.

Distribution: Namibia: Bethani; Gamis (Goamus?); Grootberg area (1969); Halses Mts (1969); Karibib; Keetmanshoop; Kubub; Otjimbingwe; Otjiwarongo; Rehoboth; Walvis Bay; Windhoek.

***Harpagophora* (*Harpagophorella*) *dittoktenus* (Attems, 1914b)**

DeMange 1983

Harpagophora dittoktenus Attems, 1914b. Attems 1928; Lawrence 1965; Schubart 1966

Types: MNHN. Type locality: given only as 'Cape'.

Distribution: RSA: N.Cape: Anenous; Kuboos (both 1937). W.Cape: Ashton.

***Harpagophora* (*Harpagophora*) *levis* Attems, 1928**

DeMange 1983

Harpagophora levis Attems 1934; Lawrence 1965; Schubart 1966

Types: SAMC. Type locality: RSA: KZN: Rietvlei.

Distribution: RSA: KZN: Albert Falls (1974); Bothas Hill; Pietermaritzburg (Richmond road; Oripi Airport); Rietvlei.

***Harpagophora* (*Harpagophora*) *monodus* Attems, 1909b**

DeMange 1983

Harpagophora monodus Attems 1914 1928; Lawrence 1938; Schubart 1966

Types: ? Type locality: Not specified.

Distribution: RSA: N.Cape: Kammagas; Klipfontein nr Hopetown (1937); Steinkopf.

***Harpagophora* (*Harpagophora*) *nigra* Attems, 1914b**

DeMange 1983

Harpagophora nigra Attems 1928; Lawrence 1965; Schubart 1966

Poratophilus minor Lawrence, 1938

Types: ZMHB. Type locality: RSA: W.Cape: Hopefield.

Distribution: RSA: E.Cape: Port Elizabeth. N.Cape: Port Nolloth. W.Cape: Caledon; Clanwilliam; Hopefield; Yserfontein (1950).

***Harpagophora* (*Harpagophorella*) *polyodus* Attems, 1909b**

DeMange 1983

Harpagophora polyodus Attems 1928; Schubart 1966

Types: ? Type locality: RSA: 'Little Namaqualand'.

Distribution: RSA: W.Cape: Clanwilliam; Matjesfontein (both 1928*).

***Harpogophora (Harpagophorella) spirobolina* (Karsch, 1881)**

DeMange 1983

Spirostreptus (Nodopyge) spirobolinus Karsch, 1881*Harpagophora spirobolina* Attems 1909b 1914b 1928; Lawrence 1965; Schubart 1966

Types: ? Type locality: RSA: N.Cape: Hantam.

Distribution: RSA: E.Cape: Kentani (according to Schubart (1966) this locality may be incorrect). N.Cape: 25 miles WSW Calvinia (1950); Hantam region. W.Cape: Van Rhynsdorp.***Poratophilus Silvestri, 1897a***

Attems 1914b 1926 1928; Carl 1917; Schubart 1966; Jeekel 1970; Demange 1983; Hoffman 1994

Type species: *Poratophilus australis* Silvestri, 1897a***Poratophilus australis* Silvestri, 1897a**

Attems 1914b 1928; DeMange 1983; Hoffman 1994

Poratophilus (Poratophilus) australis Schubart 1966

Types: Syntypes probably destroyed in fire at Museum of Dresden. Type locality: 'Africa Meridionalis'.

Distribution: Known only from types (1897*).***Poratophilus gorteri* Hoffman, 1994**

Types: VMNH. Type locality: RSA: N.Prov: Waterberg dist., Mabalingwe.

Distribution: Type locality only (1990).***Poratophilus (Philoporatia) mokhotlongelis* Schubart 1966**

Demange 1983

Types: MZLU, and collection of Schubart. Type locality: Not specified.

Distribution: Lesotho: Mokhotlong; Mt. Morosi (both 1951).Note: This species was based on female specimens only and Demange (1983) did not therefore consider it a member of *Zinophora* with the other *Poratophilus (Philoporatia)* species. The position and status of this species is thus uncertain.***Zinophora Chamberlin, 1927***

Demange 1983

Philoporatia Attems, 1928. Lawrence 1965*Poratophilus (Philoporatia)* Schubart 1966Type species: *Zinophora munda* Chamberlin, 1927***Zinophora brevilobata* (Attems, 1928)**

Demange 1983

Poratophilus brevilobatus Attems, 1928*Poratophilus (Philoporatia) brevilobatus* Schubart 1966

Types: SAMC. Type locality: Not specified.

Distribution: Mozambique.***Zinophora brevispina* (Lawrence, 1965)**

Demange 1983

Philoporatia brevispina Lawrence, 1965

Types: NMSA. Type locality: RSA: FS: Bloemfontein.

Distribution: Type locality only (1960).***Zinophora diplodonta* (Attems, 1928)**

Demange 1983

Poratophilus diplodontus Attems, 1928. Attems 1934; DeMange 1961 1983*Philoporatia diplodonta* Lawrence 1965*Poratophilus (Philoporatia) diplodonta* Schubart 1966

Types: SAMC. RSA: Type locality: Gauteng: Johannesburg.

Distribution: RSA: E.Cape: Mount Ayliff (1961). Gauteng: Johannesburg; Pretoria (1961). KZN: Lake Sibaya; Mseleni (1961). Mpumalanga: Badplaats.***Zinophora junodi* (Carl, 1917)**

Demange 1983

Poratophilus junodi Carl, 1917. Attems 1928; DeMange 1983*Philoporatia junodi* Lawrence 1965*Poratophilus (Philoporatia) junodi* Schubart 1966

Types: ? *Type locality*: Mozambique, Rikatla.

Distribution: RSA: KNP: Southern part. N.Prov: Shilowane nr Leydsdorp. Mozambique: Chai Chai (Masiene) (1928*); Rikatla. Zimbabwe: Umtali (1928*).

***Zinophora laminata* (Lawrence, 1965)**

Demange 1983

Philoporatia laminata Lawrence, 1965

Types: NMSA. *Type locality*: RSA: KZN: Hluhluwe Game Reserve.

Distribution: RSA: KZN: Hluhluwe Game Reserve (1935); Tugela River, Jamesons Drift.

***Zinophora minor* (Lawrence, 1938)**

Demange 1983

Poratophilus minor Lawrence, 1938. DeMange 1983

Poratophilus (Philoporatia) minor Schubart 1966

Types: TMSA. *Type locality*: RSA: N.Cape: 5 miles E Port Nolloth.

Distribution: Type locality only (1938*).

Note: Lawrence (1965) believed this species was synonymous with *Harpagophora nigra*, but this synonymy has not been formalised.

***Zinophora munda* Chamberlin, 1927**

Attems 1928; Lawrence 1965; Schubart 1966; Demange 1983

Types: AMNH. *Type locality*: Zimbabwe: Matabeleland.

Distribution: Type locality only (1927*).

Note: *Z. robusta* may be a synonym of this species.

***Zinophora ochropygialis* (Schubart, 1966)**

Demange 1983

Poratophilus (Philoporatia) ochropygialis Schubart, 1966. DeMange 1983

Types: MZLU. *Type locality*: RSA: W.Cape: Gans Bay, Fransches Kraal.

Distribution: RSA: W.Cape: Arniston; Gans Bay; Hermanus Lagoon; Mossel Bay (1951).

***Zinophora punctata* (Attems, 1928)**

Demange 1983

Poratophilus punctatus Attems, 1928. DeMange 1983

Philoporatia punctata Lawrence 1965

Poratophilus (Philoporatia) punctatus Schubart 1966

Types: SAMC. *Type locality*: RSA: E.Cape: Sundays River, Uitenhage dist.

Distribution: RSA: E.Cape: Dunbrody; Grahamstown; Pearston (1962); Sundays River, Uitenhage dist., Zuurberg Pass, 15 miles N Addo.

***Zinophora robusta* (Attems, 1928)**

Demange 1983

Poratophilus robustus Attems, 1928. DeMange 1983

Philoporatia robusta Lawrence 1965

Poratophilus (Philoporatia) robustus Schubart 1966

Types: SAMC. *Type locality*: RSA: N.Prov: Louis Trichardt.

Distribution: RSA: Gauteng: Pretoria. N.Prov: Louis Trichardt. Mozambique: Xiluvo, 65 miles NW Beira. Zimbabwe: Harare; Inyanga.

Note: Both Lawrence (1965) and Demange (1983) thought that this species might be synonymous with *Z. munda*, but this synonymy has never been formalised.

***Zinophora sabulosa* (Attems, 1928)**

Demange 1983

Philoporatia sabulosa Attems 1922. DeMange 1969

Poratophilus sabulosus Attems, 1928. DeMange 1983

Poratophilus (Philoporatia) sabulosus Schubart 1966

Types: SAMC. *Type locality*: Not specified.

Distribution: RSA: E.Cape: Humansdorp (Coldstream). Namibia: Farm Neitsas, Grootfontein dist.; Otjiwarongo. (all 1928*)

***Zinophora similis* (Carl, 1917)**

Schubart 1966; Demange 1983

Poratophilus similis Carl, 1917. Attems 1928; Jeekel 1970; DeMange 1983

Philoporatia similis Lawrence 1965

Types: ? *Type locality*: Mozambique: Rikatla.

Distribution: RSA: KNP: Pafuri; Pretoriusskop; Punda Maria. Mpumalanga: Komatipoort. N.Prov: Pietersburg. Mozambique: Chai Chai (Masiene); Rikatla.

Harpagophoridae genera incorrectly recorded from Southern Africa

***Phyllogonostreptus* Carl, 1918**

***Phyllogonostreptus? rhodesianus* Lawrence, 1965**

Types: NMSA. *Type locality*: Zimbabwe: Vumba.

Distribution: *Type locality* only (1955).

Note: Lawrence (1965) stated that his placement of this species in *Phyllogonostreptus* was temporary, as its gonopods differed entirely from those of any other harpagophorid in Southern Africa. The genus consists of five Indian species, and it is unlikely that it is represented in Southern Africa.

***Thyropygus* Pocock, 1894**

***Thyropygus pachyurus* Pocock, 1894**

Attems 1897; Carl 1917 1941

Thyropygus orthurus Silvestri, 1897*b*; Attems 1928

Thyropygus malayicus Verhoeff, 1938

Types: ? *Type locality*: RSA: KZN: No exact locality given.

Distribution: *Type locality* only (1894*).

Note: It is unlikely that this genus is represented in Africa; all other species occur in Java, Sumatra, Malaya, Thailand and Vietnam (Hoffman 1980).

Harpagophoridae species *incertae sedis*

Species that were described as *Spirostreptus*, which may be harpagophorids of the genus *Harpagophora*, but were described from female specimens only (Attems 1914 1928):

Spirostreptus attenuatus Brandt, 1893

Spirostreptus clavatus Voges, 1878

Spirostreptus erythropareius Brandt, 1841

Spirostreptus falcicollis Porat, 1872

Spirostreptus flavifrons Porat, 1872

Spirostreptus marginatus Porat, 1872

Spirostreptus meinerti Porat, 1872

Spirostreptus pachysoma Brandt, 1841

Harpagophoridae *nomen nudum*

Poratophilus pretorianus Fiedler, 1965

Odontopygidae Attems, 1909*c*

Chaleponcus* Attems, 1914*b

Attems 1928 1934 1938*b*; Kraus 1960 1966; Schubart 1966

Type species: *Chaleponcus limbatus* Attems, 1914*b*

***Chaleponcus acanthophorus* Attems, 1928**

Attems 1934; Kraus 1960; Schubart 1966

Chaleponcus (Chaleponcus) acanthophorus Attems, 1928

Types: SAMC. *Type locality*: RSA: N.Prov: Messina.

Distribution: *Type locality* only (1928*).

***Chaleponcus capucinus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality*: RSA: Gauteng: Johannesburg.

Distribution: *Type locality* only (1938).

***Chaleponcus delagoanus* (Attems, 1928)**

Kraus 1960; Schubart 1966

Storthophorus delagoanus Attems, 1928

Chaleponcus (Storthophorus) delagoanus Attems 1938*b*

Types: SAMC. *Type locality*: Mozambique: Delagoa Bay.

Distribution: *Type locality* only (1928*).

***Chaleponcus digitatus* Kraus, 1966**

Types: NMSA. Type locality: RSA: KNP: Skukuza Koppies.

Distribution: RSA: KNP: Crocodile Bridge area (1964); Lower Sabi; Skukuza.

***Chaleponcus discalceatus* (Attems, 1934)**

Kraus 1960; Schubart 1966

Chaleponcus trifolia discalceata Attems, 1934

Type locality: RSA: KZN: Ladysmith.

Distribution: Type locality only (1934*).

***Chaleponcus dolabratus* (Attems, 1928)**

Kraus 1960; Schubart 1966

Odontopyge dolabrata Attems, 1928

Types: SAMC. Type locality: Mozambique: Masiene nr Chai Chai.

Distribution: Type locality only (1928*).

***Chaleponctus dolbratinus* Kraus, 1960**

Schubart 1966

Types: SMFD. Type locality: Namibia: Waterberg.

Distribution: Type locality only (1952).

***Chaleponcus durbanicus* (Attems, 1914b)**

Kraus 1960; Schubart 1966

Odontopyge durbanica Attems, 1914b; 1928; 1934

Types: ZMUH. Type locality: Not specified.

Distribution: RSA: KZN: Durban. Mozambique: Delagoa Bay; Maputo (both 1914*).

***Chaleponcus hanglip* Kraus, 1966**

Types: NMSA. Type locality: RSA: N.Prov: Hanglip Forest, Louis Trichardt.

Distribution: Type locality only (1960).

***Chaleponcus hereroinus* (Attems, 1922a)**

Kraus 1960; Schubart 1966

Odontopyge hereronia Attems, 1922a. Attems 1928 1934

Types: ZMUH. Type locality: Namibia: Usakos nr Swakopmund.

Distribution: Type locality only (1911).

***Chaleponcus inyanga* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: Zimbabwe: Inyanga.

Distribution: Type locality only (1955).

***Chaleponcus limbatus* Attems, 1914b**

Attems 1922a 1934; Kraus 1960; Schubart 1966

Chaleponcus (Chaleponcus) limbatus Attems 1928 1938b

Types: ZMHB. Type locality: Namibia.

Distribution: Namibia: Grootfontein district; Tijgerboomfontein; Tsumeb; Windhoek. (all 1928*)

***Chaleponcus mossambiquensis* Kraus, 1966**

Types: NMSA. Type locality: Mozambique: Marromeu dist., Salone Forest.

Distribution: Type locality only (1960).

***Chaleponcus niger* Attems, 1914b**

Attems 1934; Kraus 1960; Schubart 1966

Chaleponcus (Chaleponcus) niger Attems 1928 1938b

Types: ZMHB. Type locality: Namibia.

Distribution: Namibia: Sandup, NW of Tsumeb (1928*).

***Chaleponcus oschei* Kraus, 1966**

Types: SMFD. Type locality: Zimbabwe: Bulawayo.

Distribution: Zimbabwe: Bulawayo; Mangwende (1997*).

***Chaleponcus polechancus* Kraus, 1966**

Types: TMSA. Type locality: RSA: N.Cape: Bushmanland, SE Kraanvoelkuil.

Distribution: Type locality only (1963).

***Chaleponcus sataraensis* Kraus, 1966**

Types: NMSA. *Type locality*: RSA: KNP: Satara Camp.

Distribution: Type locality only (1963).

***Chaleponcus spathulatus* Kraus, 1966**

Types: NMSA. *Type locality*: RSA: KZN: Ladysmith.

Distribution: Type locality only (1960).

***Chaleponcus trifolius* (Attems, 1928)**

Kraus 1960; Schubart 1966

Odontopyge trifolia Attems, 1928. Attems 1934

Types: SAMC. *Type locality*: RSA: N.Cape: Colesberg.

Distribution: Type locality only (1928*).

***Ctenoiulus* Cook, 1893**

Kraus 1960

Solenozophyllaria Kraus, 1958b. Schubart 1966

Type species: *Ctenoiulus chatelainei* Cook, 1893

Hoffman (1980) proposed the change of name from *Solenozophyllaria* to *Ctenoiulus*. When Kraus investigated the status of *Solenozophyllaria*, no males of *C. chatelainei* were available, and the genus could thus not be verified. Hoffman later traced a slide preparation of this species which clearly indicated that *C. chatelainei* is congeneric with those species grouped by Kraus under *Solenozophyllaria*.

***Ctenoiulus gorongoensis* (Kraus, 1960), comb. n.**

Solenozophyllaria gorongoensis Kraus, 1960

Schubart 1966

Types: NMSA. *Type locality*: Mozambique: Gorongoza Mtn, N of Vila Paiva.

Distribution: Type locality only (1957).

***Ctenoiulus vumbae* (Kraus, 1960), comb. n.**

Solenozophyllaria vumbae Kraus, 1960. Schubart 1966

Types: NMSA. *Type locality*: Zimbabwe: Vumba, nr Umtali.

Distribution: Zimbabwe: Chimanimani, Vumba, nr Umtali (1958).

***Helicochetus* Attems, 1909c**

Attems 1912 1914b 1928 1938b; Kraus 1960

Type species: *Helicochetus dimidiatus* (Peters, 1855)

***Helicochetus dimidiatus* (Peters, 1855)**

Attems 1909c 1914b 1928; Kraus 1960

Spirostreptus (Odontopyge) dimidiatus Peters, 1855. Peters 1862; Porat 1872

Odontopyge attemsi Verhoeff, 1901

Helicochetus dimidiatus Attems 1909a

Types: ? *Type locality*: Mozambique: Inhambane.

Distribution: Mozambique (1928*). Recorded from 'Caffraria', but this requires confirmation. East Africa.

***Helicochetus levifolius* Attems, 1914b**

Kraus 1960 1966

Types: ? *Type locality*: 'Zambezi'.

Distribution: Mozambique: Marromeu dist., Salone Forest (1960).

***Patinatius* Attems, 1928**

Attems 1935; Kraus 1960 1966; Schubart 1966; Alderweireldt 1998

Odontopygista Kraus, 1960

Type species: *Patinatius inermis* Attems, 1928

Note: Hoffman (1980 1991) formalised the synonymy of *Odontopygista* with *Patinatius*.

***Patinatius ambiguus* Kraus, 1966**

Alderweireldt 1998

Types: NMSA. *Type locality*: RSA: KZN: Pietermaritzburg, Town Bush.

Distribution: Type locality only (1960).

***Patinatius attemsi* Kraus, 1960**

Schubart 1966; Alderweireldt 1998

Types: NMSA. Type locality: RSA: KZN: Tugela River nr Kranskop.

Distribution: Type locality only (1954).

***Patinatius barbertonensis* Kraus, 1960**

Schubart 1966; Alderweireldt 1998

Types: NMSA. Type locality: RSA: Mpumalanga: Barberton.

Distribution: Type locality only (1939).

***Patinatius bidentatus* Kraus, 1960**

Schubart 1966; Alderweireldt 1998

Types: NMSA. Type locality: RSA: KZN: Drakensberg, Cathkin Peak.

Distribution: Type locality only (1938).

***Patinatius bidentatus simulator* Kraus, 1966**

Types: NMSA. Type locality: RSA: KZN: Valley of 1000 Hills nr Drummond.

Distribution: Type locality only (1959).

***Patinatius bovinus* Kraus, 1966**

Alderweireldt 1998

Types: NMSA. Type locality: RSA: E.Cape: Port Elizabeth, Skoenmaker's Kop.

Distribution: Type locality only (1961).

***Patinatius capucinus* Kraus, 1966**

Alderweireldt 1998

Types: NMSA. Type locality: RSA: N.Prov: Magoebaskloof nr Tzaneen.

Distribution: Type locality only (1960).

***Patinatius inermis* Attems, 1928**

Kraus 1960; Schubart 1966; Alderweireldt 1998

Types: SAMC. Type locality: RSA: N.Cape: Hanover.

Distribution: Type locality only (1928*).

***Patinatius natalicus* (Kraus, 1960)**

Alderweireldt 1998

Odontopygista natalica Kraus, 1960. Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Port Shepstone.

Distribution: Type locality only (1936).

***Patinatius ofcolacis* Kraus, 1966**

Alderweireldt 1998

Types: TMSA. Type locality: RSA: N.Prov: citrus farm nr Ofcolaco.

Distribution: Type locality only (1961).

***Patinatius richmondus* Kraus, 1966**

Alderweireldt 1998

Types: NMSA. Type locality: RSA: KZN: Richmond.

Distribution: Type locality only (1958).

***Patinatius rusticus* (Attems, 1934)**

Alderweireldt 1998

Odontopyge rustica Attems, 1934*Odontopygista rustica* Kraus 1960; Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Slievrye, Escourt.

Distribution: Type locality only (1934*).

***Patinatius terreus* (Attems, 1934)**

Alderweireldt 1998

Chaleponcus terreus Attems, 1934*Chaleponcus (Chaleponcus) terreus* Attems 1938b*Odontopygista terrea* Kraus 1960; Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Kosi Bay.

Distribution: RSA: KZN: Ingwavuma; Kosi Bay. Mozambique: Delagoa Bay; Inhaca Island (1954).

***Patinatius transkeicus* Alderweireldt, 1998**

Types: MRAC. *Type locality:* RSA: E.Cape: Lusikisiki dist., Mzimhlava river, coastal evergreen forest.
Distribution: Type locality only (1980).

***Patinatius transvaalicus* Kraus, 1966**

Alderweireldt 1998

Types: NMSA. *Type locality:* RSA: N.Prov: Hanglip forest nr Louis Trichardt.

Distribution: Type locality only (1960).

***Prionopetalum* Attems, 1909c**

Attems 1909a 1914b 1935; Kraus 1960

Type species: *Prionopetalum serratum* Attems, 1909c

***Prionopetalum pulchellum* Kraus, 1960**

Kraus 1966; Schubart 1966

Types: NMSA. *Type locality:* Mozambique: Luabo forest, 10 miles NE Beira.

Distribution: Type locality only (1962).

***Spinotarsus* Attems, 1909a**

Attems 1909b 1914b 1928; Kraus 1960 1966

Ardiophyllum Attems, 1928

Storthophorus Attems, 1928. Attems 1935

Type species: *Spinotarsus xanthonotus* Attems, 1909a

***Spinotarsus addoensis* Kraus, 1966**

Types: NMSA. *Type locality:* RSA: E.Cape: between Redhill and Addo, nr Port Elizabeth.

Distribution: Type locality only (1961).

***Spinotarsus anguliferus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Hluhluwe Game Reserve.

Distribution: Type locality only (1953).

***Spinotarsus apertus* Kraus, 1960**

Kraus 1966; Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Bulwer.

Distribution: RSA: KZN: Bulwer; Dargle (1962).

***Spinotarsus avirostris* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Drakensberg, Champagne Castle Hotel.

Distribution: Type locality only (1938).

***Spinotarsus bicuspidatus* Kraus, 1960**

Kraus 1966; Schubart 1966

Types: NMSA. *Type locality:* RSA: E.Cape: Port St Johns.

Distribution: RSA: E.Cape: Mount Ayliff (1961); Port St Johns.

***Spinotarsus bruggerorum* Kraus, 1966**

Types: NMSA. *Type locality:* RSA: KZN: Ndumu Game Reserve, Engabateni Forest.

Distribution: Type locality only (1964).

***Spinotarsus bullatinus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Umgababa, 25 miles S Durban.

Distribution: Type locality only (1936).

***Spinotarsus bullatoides* Kraus, 1966**

Types: NMSA. *Type locality:* RSA: KZN: Valley of 1000 Hills nr Drummond.

Distribution: Type locality only (1959).

***Spinotarsus bullatus* (Attems, 1926)**

Schubart 1966

Odontopyge bullata Attems, 1926. Attems 1927; 1928; 1934*Types*: SAMC. *Type locality*: Mozambique: Masiene nr Chai Chai.*Distribution*: RSA: KZN: Gwaliweni (1957); Hluhluwe Game Reserve; Ingwavuma; Kosi Bay; Pongola River nr Ubombo. Mozambique: Chai Chai (Masiene).***Spinotarsus castaneus* Attems, 1909a**

Attems 1909b 1914b 1928; Kraus 1960; Schubart 1966

Types: ? *Type locality*: Botswana: Kalahari Desert, Lookaneng.*Distribution*: Type locality only (1909*).***Spinotarsus colosseus* (Attems, 1928)**

Kraus 1960 1966; Schubart 1966

Haplothysanus colosseus Attems, 1928*Haplothysanus (Haplothysanus) colosseus* Attems 1938b*Types*: SAMC. *Type locality*: RSA: N.Prov: 20 miles E Pietersburg.*Distribution*: RSA: KNP: Pumbe picket; Skukuza, Napi Rd. KZN: Hluhluwe Game Reserve (1951). N.Prov: 20 miles E Pietersburg.***Spinotarsus costatus* (Attems, 1934)**

Kraus 1960; Schubart 1966

Helicochetus costatus Attems, 1934. Attems 1938b*Types*: NMSA. *Type locality*: RSA: KZN: Margate.*Distribution*: RSA: KZN: Margate; Port Edward (1936); Port Shepstone.***Spinotarsus curvatus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality*: RSA: E.Cape: Zuurberg Mts, nr Addo.*Distribution*: Type locality only (1947).***Spinotarsus cuspidosus* Kraus, 1960**

Kraus 1966; Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Sheffield Beach, 40 miles N Durban.*Distribution*: RSA: KZN: Sheffield Beach; Umhlali (1957).***Spinotarsus debilis* (Attems, 1928)**

Kraus 1960 1966; Schubart 1966

Ardiophyllum debile Attems, 1928. Attems 1934*Types*: SAMC. *Type locality*: RSA: KZN: Howick.*Distribution*: RSA: KZN: Albert Falls; Drakensberg (Bushman's Peak); Howick; Mazongwaan Forest nr Kranskop; Pietermaritzburg (Town Bush (1960)).***Spinotarsus denticulatus* (Attems, 1928)**

Kraus 1960; Schubart 1966

Storthophorus denticulatus Attems, 1928*Chaleponcus (Storthophorus) denticulatus* Attems 1938b*Types*: SAMC. *Type locality*: RSA: Gauteng: Krugersdorp.*Distribution*: Type locality only (1928*).***Spinotarsus denticuliferus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality*: RSA: E.Cape: Port St Johns.*Distribution*: Type locality only (1937).***Spinotarsus destructus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Pietermaritzburg.*Distribution*: KZN: Type locality only (1943).***Spinotarsus dingaanus* Schubart, 1966***Types*: MZLU. *Type locality*: RSA: KZN: Pietermaritzburg, Town Bush.*Distribution*: Type locality only (1948).

***Spinotarsus drummondicus* Kraus, 1966**

Types: NMSA. *Type locality:* RSA: KZN: Umgeni River nr Drummond.

Distribution: Type locality only (1958).

***Spinotarsus durbanensis* Kraus, 1966**

Types: NMSA. *Type locality:* RSA: KZN: Durban.

Distribution: Type locality only (1964).

***Spinotarsus elatior* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Hluhluwe Game Reserve.

Distribution: Type locality only (1953).

***Spinotarsus elegans* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Van Reenen.

Distribution: Type locality only (1936).

***Spinotarsus fiedleri complicans* Kraus, 1966**

Types: SMFD. *Type locality:* RSA: W.Cape: Cape Town.

Distribution: Type locality only (1966).

***Spinotarsus fiedleri fiedleri* Kraus, 1966**

Spinotarsus fiedleri Fiedler, 1965

Types: SMFD. *Type locality:* RSA: Gauteng: Pretoria.

Distribution: Type locality only (1965).

***Spinotarsus glabrus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Pietermaritzburg, Otto's Bluff, Shooters Hill.

Distribution: Type locality only (1936).

***Spinotarsus glomeratus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Kranskop.

Distribution: RSA: KZN: Kranskop (1952); Shongweni Dam.

***Spinotarsus gracilis* (Attems, 1934)**

Kraus 1960

Helicochetus gracilis Attems, 1934. Attems 1938b

Types: NMSA. *Type locality:* RSA: KZN: Pietermaritzburg.

Distribution: Type locality only (1934*).

***Spinotarsus grandis grandis* Kraus, 1960**

Kraus 1966; Schubart 1966

Spinotarsus grandis Kraus, 1960

Types: NMSA. *Type locality:* Mozambique: Inhaca Island.

Distribution: Type locality only (1960*).

***Spinotarsus grandis zonatus* Kraus, 1960**

Kraus 1966

Spinotarsus zonatus Kraus, 1960

Types: NMSA. *Type locality:* RSA: KZN: St Lucia.

Distribution: RSA: KNP: Hapi Dam, 2 miles from Pafuri; Pafuri (1962). KZN: Richards Bay; St Lucia.

***Spinotarsus hluhluwensis* (Schubart, 1966)**

Kraus 1966

Chaleponcus hluhluwensis Schubart, 1966

Types: MZLU. *Type locality:* RSA: KZN: Hluhluwe Game Reserve.

Distribution: Type locality only (1951).

***Spinotarsus hospitii* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Drakensberg, Champagne Castle.

Distribution: RSA: KZN: Bulwer (Lundies Hill (1957)); Drakensberg (Champagne Castle).

***Spinotarsus inermis* (Attems, 1934)**

Kraus 1960; Schubart 1966

Odontopyge inermis Attems, 1934

Types: NMSA. Type locality: RSA: KZN: E Zululand.

Distribution: Type locality only (1934*).

***Spinotarsus ingwavuma* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Ingwavuma.

Distribution: RSA: KZN: Gollel; Gwaliweni Forest (1954); Ingwavuma.

***Spinotarsus johnsensis* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: RSA: E.Cape: Port St Johns.

Distribution: RSA: E.Cape: Port St Johns (1955). W.Cape: Knysna.

***Spinotarsus kentaniensis* Kraus, 1966**

Types: NMSA. Type locality: RSA: E.Cape: Kentani.

Distribution: Type locality only (1962).

***Spinotarsus kranskopensis* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Kranskop.

Distribution: Type locality only (1952).

***Spinotarsus krausi* Schubart, 1966**

Kraus 1966

Types: MZLU. Type locality: RSA: KZN: Pietermaritzburg, Town Bush.

Distribution: Type locality only (1948).

***Spinotarsus kruegeri* Kraus, 1966**

Types: NMSA. Type locality: RSA: KNP: Ship Mtn.

Distribution: RSA: KNP: Crocodile Bridge; Godleni; Gomodwane, 8 miles N Crocodile Bridge (1964); Maputwine Koppies; Ship Mtn; Skabenkop nr Pretoriuskop. N.Prov: Magoebaskloof nr Tzaneen. Swaziland: Hlatikulu.

***Spinotarsus lanceolatus* Kraus, 1966**

Types: NMSA. Type locality: Zimbabwe: Chimanimani.

Distribution: Type locality only (1963).

***Spinotarsus levifrons* (Attems, 1928)**

Kraus 1960; Schubart 1966

Storthophorus levifrons Attems, 1928*Chaleponcus (Storthoporus) levifrons* Attems 1938b

Types: SAMC. Type locality: RSA: E.Cape: Port St Johns.

Distribution: Type locality only (1928*).

***Spinotarsus liberalis* (Attems, 1928)**

Kraus 1960; Schubart 1966

Ardiophyllum liberale Attems, 1928

Types: SAMC. Type locality: RSA: NWP: Vryburg.

Distribution: Type locality only (1928*).

***Spinotarsus lineatus* Attems, 1928**

Kraus 1960; Schubart 1966

Types: SAMC. Type locality: RSA: E.Cape: Kei Road.

Distribution: Type locality only (1928*).

***Spinotarsus lobatus* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Compensation Beach.

Distribution: RSA: KZN: Amanzimtoti (1936); Compensation Beach; Durban (Bluff).

***Spinotarsus lobuliferus* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: RSA: KZN: St Lucia.

Distribution: Type locality only (1935).

***Spinotarsus londinensis* Kraus, 1960**

Schubart 1966

Types: BMNH. Type locality: RSA: E.Cape: East London.

Distribution: Type locality only (1891).

***Spinotarsus magnus* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: RSA: Mpumalanga: Nelspruit.

Distribution: Type locality only (1939).

***Spinotarsus malleolus* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Tugela River, Middledrift.

Distribution: Type locality only (1940).

***Spinotarsus maritzburgensis* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Pietermaritzburg, Scottsville.

Distribution: RSA: KZN: Pietermaritzburg; Inchanga (1954).

***Spinotarsus masienensis* (Attems, 1928)**

Schubart 1966

Chaleponcus (Chaleponcus) masienensis Attems, 1928*Chaleponcus masienensis* Attems 1934; 1938b

Types: SAMC. Type locality: Mozambique: Masiene nr Chai Chai.

Distribution: Type locality only (1928*).

***Spinotarsus matabelinus* (Attems, 1928)**

Kraus 1960; Schubart 1966

Ardiophyllum matabelinum Attems, 1928

Types: SAMC. Type locality: Zimbabwe: Bulawayo.

Distribution: Type locality only (1928*).

***Spinotarsus mazongwanus* Kraus, 1966**

Types: NMSA. Type locality: RSA: KZN: Mazongwaan Forest nr Greytown.

Distribution: Type locality only (1940).

***Spinotarsus mertensi* Kraus, 1966**

Types: NMSA. Type locality: RSA: KZN: Ngome Forest.

Distribution: Type locality only (1960).

***Spinotarsus modestus* (Attems, 1928)**

Kraus 1960; Schubart 1966

Haplothysanus modestus Attems, 1928*Haplothysanus (Haplothysanus) modestus* Attems 1938b

Types: SAMC. Type locality: Mozambique: Masiene nr Chai Chai.

Distribution: Type locality only (1928*).

***Spinotarsus natalicus* (Attems, 1934)**

Kraus 1960; Schubart 1966

Chaleponcus natalicus Attems, 1934*Chaleponcus (Storthophorus) natalicus* Attems 1938b

Types: NMSA. Type locality: RSA: E.Cape: Port St Johns.

Distribution: Type locality only (1934*).

***Spinotarsus olifantis* Kraus, 1966**

Types: NMSA. Type locality: RSA: KNP: Olifantspoort area, Msimbit Forest.

Distribution: Type locality only (1962).

***Spinotarsus ornatus* (Peters, 1855)**

Kraus 1960; Schubart 1966

Spirostreptus ornatus Peters, 1855. Peters 1862*Odontopyge ornata* Attems 1914b; 1928; 1934

Types: ? Type locality: Mozambique.

Distribution: Type locality only (1855*).

***Spinotarsus pallicauda* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* Mozambique: Gorongoza Mts, NW Beira.*Distribution:* Type locality only (1957).***Spinotarsus papillatus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: E.Cape: Port St Johns.*Distribution:* Type locality only (1937).***Spinotarsus parvus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Port Shepstone.*Distribution:* Type locality only (1936).***Spinotarsus piriensis* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: E.Cape: Pirie Forest.*Distribution:* Type locality only (1937).***Spinotarsus pretorianus* Schubart, 1966**

Kraus 1966

Types: MZLU. *Type locality:* RSA: Gauteng: Pretoria.*Distribution:* Type locality only (1954).***Spinotarsus pusillis* Kraus, 1966***Types:* NMSA. *Type locality:* RSA: E.Cape: Qolora River mouth.*Distribution:* Type locality only (1962).***Spinotarsus ratonipsus* Kraus, 1966***Types:* SMFD. *Type locality:* RSA, no details.*Distribution:* Type material only (1966*).***Spinotarsus rhodesianus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* Zimbabwe: Vumba.*Distribution:* Type locality only (1948).***Spinotarsus robustus* Attems, 1928**

Kraus 1960; Schubart 1966

Types: SAMC. *Type locality:* Mozambique: Masiene nr Chai Chai.*Distribution:* Type locality only (1928*).***Spinotarsus rostrum* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Amanzimtoti.*Distribution:* Type locality only (1936).***Spinotarsus silvarum* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Gwaliweni Forest.*Distribution:* RSA: KZN: Gwaliweni Forest (1953); Nkhandla Forest.***Spinotarsus silvicolens* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality:* RSA: KZN: Qudeni Forest.*Distribution:* Type locality only (1953).***Spinotarsus skukuzicus* Kraus, 1966***Types:* NMSA. *Type locality:* RSA: KNP: Skukuza.*Distribution:* RSA: KNP: Crocodile Bridge (1964); Skukuza.***Spinotarsus solitarius* (Attems, 1928)**

Kraus 1960; Schubart 1966

Chaleponcus (Chaleponcus) solitarius Attems, 1928*Chaleponcus solitarius* Attems 1934; 1938b*Types:* SAMC. *Type locality:* RSA: Mpumalanga: Kaapmuiden.*Distribution:* Type locality only (1928*).

***Spinotarsus striatus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Durban, Bluff.*Distribution*: Type locality only (1935).***Spinotarsus striolatus* Attems, 1928**

Attems 1934; Kraus 1960; Schubart 1966

Types: SAMC. *Type locality*: Not specified.*Distribution*: RSA: KZN: Merebank. E.Cape: Kei Road (both 1928*).***Spinotarsus swartkopensis* Kraus, 1966**Types: NMSA. *Type locality*: RSA: KZN: Pietermaritzburg, Swartkops Mtn.*Distribution*: Type locality only (1930).***Spinotarsus tenuis* Attems, 1928**

Kraus 1960; Schubart 1966

Types: SAMC. *Type locality*: RSA: N.Prov: Messina.*Distribution*: Type locality only (1928*).***Spinotarsus transkei* Kraus, 1966**Types: NMSA. *Type locality*: RSA: E.Cape: Nxaxo River mouth.*Distribution*: RSA: E.Cape: East London; Nxaxo and Qolora River mouths (1962).***Spinotarsus triangulosellus* Kraus, 1966**Types: NMSA. *Type locality*: RSA: KZN: Nhlazaan Mtn slope, nr Elandskop.*Distribution*: Type locality only (1960).***Spinotarsus triangulosus* Kraus, 1960**

Kraus 1966; Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Van Reenen.*Distribution*: RSA: KZN: Karkloof (1964); Van Reenen.***Spinotarsus tridens* Kraus, 1966**Types: NMSA. *Type locality*: RSA: KZN: Valley of 1000 Hills nr Drummond.*Distribution*: Type locality only (1959).***Spinotarsus tristis* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Van Reenen.*Distribution*: Type locality only (1937).***Spinotarsus tshokwanensis* Kraus, 1966**Types: NMSA. *Type locality*: RSA: KNP: Tshokwane, Orpen Dam.*Distribution*: RSA: KNP: Gomondwane nr Crocodile Bridge; Lower Sabi (1964); Napi road nr Skukuza; Skukuza Camp; Tshokwane, Orpen Dam.***Spinotarsus tubulosus* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Weenen*Distribution*: Type locality only (1941).***Spinotarsus tugela* Kraus, 1960**

Schubart 1966

Types: NMSA. *Type locality*: RSA: KZN: Tugela River nr Kranskop.*Distribution*: Type locality only (1939).***Spinotarsus umgeni* Kraus, 1966**Types: NMSA. *Type locality*: RSA: KZN: Cato Ridge.*Distribution*: RSA: KZN: Cato Ridge; Valley of 1000 Hills nr Drummond (both 1959).***Spinotarsus umtata* Kraus, 1966**Types: NMSA. *Type locality*: RSA: E.Cape: Kambi Forest nr Umtata.*Distribution*: Type locality only (1961).

***Spinotarsus unicus* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: RSA: KZN: Port Edward.

Distribution: Type locality only (1944).

***Spinotarsus vallatus* (Attems, 1928)**

Kraus 1960 1966; Schubart 1966

Storthophorus vallatus Attems, 1928*Chaleponcus (Storthophorus) vallatus* Attems 1938b

Types: SAMC. Type locality: RSA: E.Cape: Grahamstown.

Distribution: RSA: E.Cape: Grahamstown; 5 miles E Grahamstown (1951).

***Spinotarsus viridis* Kraus, 1966**

Types: NMSA. Type locality: RSA: KNP: Madziringwepoort.

Distribution: Type locality only (1962).

***Spinotarsus vulneratus* Kraus, 1960**

Schubart 1966

Types: NMSA. Type locality: Zimbabwe: Mt. Silunda/ Silinda S of Chipinga.

Distribution: Type locality only (1955).

***Spinotarsus xanthonotus* Attems, 1909a**

Attems 1909b 1914b 1922a 1928; Kraus 1960; Schubart 1966

Types: ? Type locality: Botswana: Lookaneng-Severelela.

Distribution: Botswana: Lookaneng-Severelela. Namibia: Windhoek; 26km E Windhoek (1932*).

***Spinotarsus zuluinus* (Attems, 1934)**

Kraus 1960; Schubart 1966

Odontopyge zuluina Attems, 1934

Types: NMSA. Type locality: RSA: KZN: Umfolosi.

Distribution: Type locality only (1934*).

Odontopygidae species incertae sedis***Haplothysanus serratus* Attems, 1928**

Types: SAMC. Type locality: RSA: Mpumalanga: Komatiport.

Distribution: Type locality only (1928*).

Note: genus includes 8 species that occur in Central Africa. Kraus (1960) suggested that this species might belong in *Spinotarsus*.***Solenozophyllum anoncopygum* Attems, 1914**

Attems 1928; Kraus 1960

Types: ? Type locality: RSA, no details

Distribution: Type material only.

Note: This genus includes 7 species, all from the Congo basin (Hoffman 1991). It is unlikely that this is a valid Southern African species.

***Nomina dubia* (species of *Odontopyge*; descriptions useless)**

(Attems 1928; Kraus 1960)

Odontopyge aequalis Porat, 1872*Odontopyge bicuspidata* Porat, 1872*Odontopyge binodifer* Voges, 1878*Odontopyge exquisita* Silvestri, 1896b*Odontopyge flavotaeniata* Porat, 1872*Odontopyge foveolata* Porat, 1872*Odontopyge gracilicornis* Porat, 1872*Odontopyge jallae* Silvestri, 1896b*Odontopyge leptoproctus* Voges, 1878*Odontopyge praetexta* Porat, 1872*Odontopyge puncticauda* Porat, 1872*Odontopyge pusilla* Daday, 1889

Introduced Species

Order Polydesmida

Paradoxosomatidae

Oranmorpha* Verhoeff, 1941a**Oranmorpha guerinii*** (Gervais, 1836)

Verhoeff 1941a; Schubart 1960 1966

Distribution: RSA: W.Cape: Cape Town (1914*). SW Europe and N Africa.

Note: May be introduced, but it is possible that this species does not occur in Southern Africa, as Schubart (1966) quotes Attems (1914), which is the only record.

Orthomorpha* Bollman, 1893**Orthomorpha* (*Kalorthomorpha*) *gracilis*** (Koch, 1847)

Attems 1928; Lawrence 1953; Schubart 1956 1966

Distribution: RSA: E.Cape: King Williams Town; Mount Frere; Tsitsikama Forest. FS: Bloemfontein. KZN: Kokstad; New Hanover; Pietermaritzburg; Richmond; York. W.Cape: Bloukrans River, Plettenberg Bay; Buffelsjags River, 4 miles E Swellendam; Caledon; Cape Town; Groot River, 12 miles NE Plettenberg Bay; Hermanus; Jonkershoek. N.Cape: Kimberley. Gauteng: Johannesburg (mines).

Note: Probably introduced. Also occurs in hothouses in Europe, and occurs in Japan, Chile, Paraguay and Brazil (Attems 1928).

Order: Julida Leach, 1815

Blaniulidae Koch, 1847

Proteroiulus* Silvestri, 1897Proteroiulus fuscus* (Am Stein, 1857)

Schubart 1966

Distribution: RSA: W.Cape: Stellenbosch (1951).

Note: European.

Julidae Leach, 1815

Brachyiulus* Berlese, 1884**Brachyiulus pusillus*** (Leach, 1815)

Schubart 1966

Distribution: RSA: W.Cape: Jonkershoek (1951).

Note: From W and Central Europe; also introduced to U.S.A. and South America.

Cylindroiulus* Verhoeff, 1894**Cylindroiulus* (*Aneulobiulus*) *britannicus*** (Verhoeff, 1891)

Schubart 1966

Distribution: RSA: W.Cape: Bainskloof; Jonkershoek (1951); Peninsula (Cape Flats; Simonstown).

Note: Widespread in W and NW Europe, also introduced to South America, India and New Zealand.

Cylindroiulus* (*Aneulobiulus*) *truncorum (Silvestri, 1896)

Schubart 1966

Distribution: RSA: W.Cape: Kirstenbosch Gardens (1951).

Note: From N Africa, spread to Europe, U.S.A. and Brazil.

Ommatoiulus* Latzel, 1884**Ommatoiulus moreleti*** (Lucas, 1860)

Schubart 1966

Distribution: RSA: W.Cape: Bainskloof; Bredasdorp; Caledon; Durbanville; Franschoek Bos Reserve; Hermanus; Jonkershoek; Kleinmond; Malmesbury; Paarl; Peninsula; Somerset West; Viljoens Pass; Wellington (most 1951).

Note: Endemic in Mediterranean parts of Europe, introduced to South Australia.

ACKNOWLEDGEMENTS

J.-M. DeMange, R. L. Hoffman, and B. Condé are thanked for commenting on sections of the manuscript. H. Enghoff and R. L. Hoffman kindly provided reprints of

their publications and S. Golovatch and H. Fechter provided information about the whereabouts of some type material. H. Enghoff is thanked for making several useful suggestions to improve the manuscript. D. Barracrough provided various forms of advice. The Foundation for Research Development (FRD) is thanked for financial support.

REFERENCES

- ALDERWEIRELDT, M. P. 1997. Two new species of the genus *Sphaerotherium* Brandt, 1833 from Zimbabwe, together with some biogeographical notes (Diplopoda, Oniscomorpha, Sphaerotheriidae). *Myriapodologica* **4** (7): 51–57.
- ALDERWEIRELDT, M. 1998. A survey of the genus *Patinatus* Attems, 1928 with a description of a new species from Transkei (Myriapoda Diplopoda Spirostreptida Odontopygidae). *Tropical Zoology* **11**: 95–102.
- AM STEIN, J. G. 1857. Aufzählung und beschreibung der Myriapoden und Crustaceen Graubündens. *Jahresbericht der Naturforschenden Gesellschaft Graubündens* **2**: 112–148.
- ATTEMs, C. 1896. Beschreibung der von Dr. Stuhlman in Ost Afrika gesammelten Myriapoden. *Mitteilungen aus dem Naturhistorischen Museum in Hamburg* **8**: 23–42.
- 1898. System der Polydesmiden. I Theil. *Denkschriften der Akademie der Wissenschaften. Wien (Mathematisch-Naturwissenschaftlich Klasse)* **67**: 221–482.
- 1899. System der Polydesmiden. II. Theil. *Denkschriften der Akademie der Wissenschaften. Wien (Mathematisch-Naturwissenschaftlich Klasse)* **68**: 251–435.
- 1901. Neue Polydesmiden des Hamburger Museums. *Mitteilungen aus dem Naturhistorischen Museum in Hamburg* **18**: 85–107.
- 1902. Neue durch den Schiffsverkehr in Hamburg eingeschleppte myriapoden. *Mitteilungen aus dem Naturhistorischen Museum, Hamburg* **18**: 109–116.
- 1908. Die Myriapoden der Deutsche Südpolar-Expedition. In: Von Drygalski, ed., *Deutsche Südpolar-Expedition 1901–1903, Zoologie* **9**: 415–433.
- 1909a. Myriapoda, In: *Wissenschaftliche Ergebnisse der Schwedischen Zoologische Expedition Kilimandjaro* **3** (19): 1–64.
- 1909b. Myriapoda, In: Schultze, L., ed., *Zoologische und anthropologische Ergebnisse einer Forschungsreise im westlichen und zentralen Südafrika, ausgeführt in den Jahren 1903–1905 von Dr. Leonard Schultze. Denkschriften Gesellschaft zu Jena* **14**: 1–52.
- 1909c. Athiopische Myriapoden. *Zoologischer Jahresbericht (Systematik)* **27**: 391–418.
- 1912. Myriapoden. In: *Wissenschaftliche Ergebnisse des Deutschen Zentral-Afrika Expedition* **4**: 297–324.
- 1914a. Die Indoaustralischen Myriapoden. *Archiv für Naturgeschichte* **80** (4): 1–398.
- 1914b. Afrikanische Spirostreptiden nebst Überblick über die Spirostreptiden orbis terrarum. *Zoologica* **25**: 1–233.
- 1922. Myriapoda. In: Michaelsen, W., ed., *Beiträge zur Kenntnis der Land und Süßwasserfauna Deutsch-SüdwestAfrikas. Deutsche-Südwestafrika Studienreise* **2**: 95–103.
- 1926. Myriapoda. In: Kükenthal & Krumbach, eds, *Handbuch der Zoologie* **4**: 1–402. Berlin: Walter de Gruyter & Co.
- 1927. Diplopoda. In: *Wissenschaftliche Ergebnisse der Expedition R. Grauer nach Zentralafrika, Dezember 1909 bis Februar 1911. Annalen des Naturhistorischen Museums in Wien* **41**: 51–90.
- 1928. The Myriapoda of South Africa. *Annals of the South African Museum* **26**: 1–431.
- 1929. Diplopoden des Belgisch Congo. I. Polydesmoidea. *Revue de Zoologie et de Botanique Africaines* **17**: 254–378.
- 1931. Die familie Leptodesmidae und andere Polydesmien. *Zoologica* **30** (79): 1–149.
- 1934. The Myriapoda of Natal and Zululand. *Annals of the Natal Museum* **7** (3): 459–522.
- 1935. Diplopoden des Belgischen Congo. II. Spirostreptoidea und Spiroboloidea (Schluss). *Revue de Zoologie et de Botanique Africaine* **26** (3): 327–396.
- 1937. Polydesmoidea I. Fam. Strongylosomidae. *Das Tierreich* **68**: 1–300.
- 1938a. Fam. Leptodesmidae, Platyrrhachidae, Oxydesmidae, Gomphodesmidae. (Myriapoda 3, Polydesmoidea II). *Das Tierreich* **69**: 1–487.
- 1938b. Diplopoden des Belgische Congo. Polydesmoidea, 2. Nachtrag und Spirostreptoidea, 1. Nachtrag. *Revue de Zoologie et de Botanique Africaine* **31** (2): 225–313.
- 1940. Myriapoda 3, Polydesmoidea III, Fam. Polydesmidae, Vanhoeffenidae, Cryptodesmidae, Oniscodesmidae, Sphaerotrachopidae, Peridotodesmidae, Rhachidesmidae, Macellophidae, Pandirodesmidae In: *Das Tierreich* **70**: 1–577.

- . 1944. Neue Polydesmoidea. *Zoologischer Anzeiger* **144** (11/12): 223–251.
- . 1950. Über Spirostreptiden (Diplopoda). *Annalen des Naturhistorischen Museums Wien* **57**: 179–257.
- . 1951. Révision systématique des Colobognatha (Myriapodes Diplopodes) et description d'espèces nouvelles. *Mémoires Museum National d'Histoire Naturelle. (Paris) ser A* **3** (3): 193–231.
- . 1953. Neue Myriapoden des Begischen Congo. *Annales du Musée Royal du Congo Belge. Sciences Zoologiques*. **18**: 1–139.
- BARNETT, M., TELFORD, S. R. & DE VILLIERS, C. J. 1991. Gonopod morphology of the millipede *Orithoporus pyrrocephalus* (Diplopoda: Spirostreptidae) - a possible mechanism of sperm displacement. *Electron Microscopy Society of Southern Africa* **21**: 179–180.
- BOLLMAN, C. H. 1893. The Myriapoda of North America. *Bulletin of the United States National Museums* **46**: 1–210.
- BOURNE, G. 1885. On the anatomy of *Sphaerotherium*. *Journal of the Linnean Society of London* **19**: 161–174.
- BRANDT, J. F. 1833. Tentaminum quorundum monographicorum Insecta Myriapoda Chilognatha Latreillii spectantium. *Bulletin de la Société Impériale des Naturalistes de Moscou* **6**: 194–209.
- . 1841. Recueil de memoires relatif a l'ordre des Insectes Myriapodes. *Bulletin Scicentifique Académie Impériale des Sciences de Saint Petersburg* **5-9**: 1–189.
- BRÖLEMANN, H. W. 1920. Diplopoda. In: *Voyage de C. Alluaud et R. Jeannel en Afrique Orientale (1911–1912). Résultats scientifiques. Myriapodes* **3**: 48–298.
- CARL, J. 1909. Diplopoden. In: *Reise von Dr. J. Carl im nördlichen Central-Afrikanischen Seengebiet. Revue Suisse de Zoologie* **17**: 281–365.
- . 1917. Spirostreptides nouveaux ou peu connus du Muséum de Genève. *Revue Suisse de Zoologie* **25** (12): 383–409.
- . 1918. Miscellanées diplopodologiques. *Revue Suisse de Zoologie* **26** (13): 417–468.
- . 1941. Diplopodenstudien V. *Zoologischer Anzeiger* **133** (11/12): 285–295.
- CHAMBERLIN, R. V. 1927. The Chilopoda and Diplopoda collected by the American Museum of Natural History Congo Expedition (1909–1911) with notes on some other African species. *Bulletin of the American Museum of Natural History* **57** (4): 177–249.
- . 1947. Some records and descriptions of diplopods chiefly in the collection of the Academy. *Proceedings of the Academy of Natural Sciences of Philadelphia* **99**: 21–58.
- . 1951. On Diplopoda of northeast Angola. *Publicacoes Culturais da Companhia de Diamantes de Angola* **10**: 65–93.
- . 1957. Reports of the Lund University Chile Expedition. 1948–49. 30. Diplopoda. *Acta Universitatis Lundensis 2e série* **53**(8): 1–44.
- CONDÉ, B. 1949. Un Polyxénidé inédit du Natal (Diplopodes Pénicillates). *Bulletin de la Société Entomologique de France* **54**: 124–128.
- . 1954. Les Diplopodes Pénicillates de l'ambre et la faune actuelle. *Bulletin de la Société Zoologique de France* **79**: 74–78.
- . 1955. Un Polyxénidé aveugle (Diplopodes Pénicillates). *Bulletin de la Société Zoologique de France* **79**: 415–418.
- . 1959. Diplopoda Penicillata. In: Hanström, B., Brinck, P. & Rudebeck, G., eds, *South African Animal Life* **6**: 12–23.
- COOK, O. F. 1893. Notes on Myriapoda from Loanda Africa collected by Mr. Heli Chatelaine, including a description of a new genus and species. *Proceedings of the United States National Museum* **16** (968): 704.
- . 1895. Introductory note on the families of Diplopoda. In: Cook & Collins, eds, *The Craspedosomatidae of North America. Annals of the New York Academy of Sciences* **9**: 1–7.
- . 1896a. East African Diplopoda of the suborder Polydesmoidea, collected by Mr. Willim Astor Chandler. *Proceedings of the United States National Museum* **18**: 81–111.
- . 1896b–1897. A series of occasional papers on Diplopoda and other Arthropoda. *Brandtia* **1-18**: 1–75.
- . 1898. A revision of tropical African Diplopoda. *Proceedings of the United States National Museum* **20**: 702.
- . 1899a. African Diplopoda of the genus *Pachybolus*. *Proceedings of the United States National Museum* **21**: 657–666.
- . 1899b. African Diplopoda of the family Gomphodesmidae. *Proceedings of the United States National Museum* **21**: 677–739.
- COOK, O. F. & COLLINS, G. N. 1893. The Myriapods collected by the United States Eclipse Expedition to West Africa, 1889 and 1890. *Annals of the New York Academy of Science* **8**: 24–40.

- DADAY, D. 1889. Myriapoda extranea Musaei nationalis Hungariae. *Természettudományi Füzetek* **12**: 114–156.
- DANGERFIELD, J. M. & TELFORD, S. R. 1993. Aggregation in the tropical millipede *Alloporus uncinatus* (Diplopoda: Spirostreptidae). *Journal of Zoology, London* **230**: 503–511.
- DEMANGE, J.-M. 1957. Un nouveau myriapode de Guinée française *Gymnostreptus madegama* n.sp. (Diplopode-Spirostreptidae). *Bulletin de Muséum National d'Histoire Naturelle* 2e série. *Paris* **29**(5): 414–417.
- 1961. Matériaux pour servir à une révision des Harpagophoridae (Myriapodes-Diplopodes). *Mémoires du Muséum National d'Histoire Naturelle. Paris* **24**: 1–274.
- 1969. Matériaux pour servir à une révision des Harpagophoridae IV. Collection d'indéterminés du Muséum de Hambourg. *Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg* 4e série **67**: 49–65.
- 1970. Eléments d'une révision des Spirostreptidae. I. Etude de quelques caractères taxonomiques des Spirostreptinae. *Bulletin de l'Institut Fondamental d'Afrique Noire A* **32**: 366–411.
- 1983. Données nouvelles sur la famille des Harpagophoridae (Myriapoda, Diplopoda). *Bulletin de Muséum National d'Histoire Naturelle* 4e série. *Paris* **5**: 561–564.
- DEMANGE, J.-M. & MAURIES, J.-P. 1975. Myriapodes-Diplopodes des Monts Nimba et Tonkoui (Côte-d'Ivoire, Guinée). Récoltes par M. Lamotte et ses collaborateurs de 1942 à 1960. *Annales Musée Royal de l'Afrique Centrale. Sciences Zoologique* **212**: 1–192.
- DESAUSSURE, H. & ZEHNTNER, L. 1902. Myriapoden aus Madagascar und Zanzibar, gesammelt von Dr. A. Voelzkow. *Abhandlungen, herausgegeben von der Senckenbergischen naturforschenden Gesellschaft* **26** (4): 429–460.
- ENGHOFF, H. 1977. Revision of the East African millipede genus *Epibolus* Cook, 1897. With notes on the biology of *E. pulchripes* (Gersäcker) (Diplopoda, Spirobolida: Pachybolidae). *Entomologica Scandinavica* **8**: 1–8.
- 1984. Phylogeny of millipedes - a cladistic analysis. *Zeitschrift für Zoologische Systematik und Evolutionsforschung* **22**: 8–26.
- FIEDLER, O. G. H. 1965. Notes on the susceptibility of millipedes (Diplopoda) to insecticides. *Journal of the Entomological Society of Southern Africa* **27** (2): 219–225.
- GERHARDT, U. 1933. Zur funktion der gonopoden bei *Graphidostreptus gigas* (Peters). *Mitteilungen aus dem Zoologischen Museum in Berlin* **19**: 430–438.
- GERSTÄCKER, A. 1873. Arachnida, Myriapoda Isopoda. In: Baron Claus v.d. Deckens, ed., *Reisen in Ostafrika* **3** (2): 507–524.
- GERVAIS, P. 1847. Myriapodes. In: Walkenaer & Gervais eds, *Histoire naturelle des Insectes Aptères. Librairie encyclopédique de Roret. Paris*.
- HAACKER, U. 1968. Das sexual verhalten von *Sphaerotherium dorsale* (Myriapoda, Diplopoda). *Verhandlungen der Deutschen Zoologischen Gesellschaft* **48**: 454–463.
- HAMER, M. L. 1997. A preliminary assessment of the southern African millipede fauna: diversity and conservation (Diplopoda). *Entomologica Scandinavica Supplements* **51**: 209–217.
- HOFFMAN, R. L. 1953. *Scolodesmus* and related African millipede genera (Polydesmida: Strongylosomidae). *Proceedings of the Biological Society of Washington* **66**: 75–84.
- 1962. Studies on spiroboloid millipedes. IV. Systematic and nomenclatorial notes on the family Pachybolidae. *Revue Suisse de Zoologie* **69** (36): 759–783.
- 1965. A new species in the diplopod genus *Archispirostreptus* from southwestern Arabia. *Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg* **3** (51): 17–23.
- 1966. Notes on *Aulodesmus* and the proposal of a related new genus (Polydesmida: Gomphodesmidae). *Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut* **63**: 193–208.
- 1968. Millipedes of the genus *Aklerobunus*, with notes on some related South African genera of the family Paradoxosomatidae. *Wasmann Journal of Biology* **26** (2): 209–239.
- 1971a. Studies on spiroboloid millipedes. VIII. The generic name *Centrobolus* revived, with some remarks on several poorly-known species. *Entomologisk Tidskrift* **92** (3–4): 142–163.
- 1971b. Studies on spirostreptoid millipedes. X. Some taxonomic notes on the tribe Triaenostreptini, specific and generic synonymy, and a new species of *Triaenostreptus*. *Revue de Zoologie et de Botanique Africaines* **83** (3–4): 207–225.
- 1974. Short studies on dalodesmid millipedes from South Africa and Madagascar (Diplopoda: Polydesmida). *Wasmann Journal of Biology* **32** (2): 221–246.
- 1979/80. *Classification of the Diplopoda*. Genève: Muséum d'Histoire Naturelle.
- 1984. Revision of the millipede genus *Aulodesmus* (Polydesmida, Gomphodesmidae). *Revue de Zoologie Africaine* **98** (3): 505–524.

- 1987. Studies on spirostreptid millipedes. 18. Revalidation of the generic name *Doratogonus* Attems, 1914, and the status of the name *Spirostreptus cristulatus* Porat, 1872 (Diplopoda: Spirostreptida). *Myriapodologica* **2** (3): 13–19.
- 1994. Rediscovery of the millipede genus *Poratophilus* Silvestri, 1897 (Spirostreptida: Harpagophoridae). *Myriapodologica* **3** (1): 1–11.
- 1996. Studies on spirostreptoid millipedes. XIX. Identity of some species described by F. Karsch in 1881. *Mitteilungen aus dem Zoologischen Museum in Berlin* **72** (2): 327–337.
- HOFFMAN, R. L. & HOWELL, K. M. 1983. *Dendrostreptus*, a new genus for an arboreal Tanzanian millipede, with notes on related forms (Diplopoda: Spirostreptidae). *Revue de Zoologie Africaine* **97** (3): 625–632.
- HOFFMAN, R. L. & KEETON, W. T. 1960. A list of the generic names proposed in the diplopod order Spirobolida, with their type species. *Transactions of the American Entomological Society* **86**: 1–26.
- JEEKEL, C. A. W. 1956. Millipede miscellany. III. *Beaufortia* **5** (51): 73–99.
- 1963. Diplopoda of Guiana. *Studies on the Fauna of Suriname and other Guyanas* **4** (27): 1–157.
- 1968. *On the classification and geographic distribution of the family Paradoxosomatidae (Diplopoda, Polydesmida)*. Amsterdam: C. A. W. Jeekel.
- 1970. Nomenclator generum et familiarum Diplopodorum. A list of the genus and family names in the Class Diplopoda from the 10th edition of Linnaeus 1758 to the end of 1957. *Monografieën van de Nederlandsche Entomologische Vereniging*. **5**: 1–412.
- 1974. The group taxonomy and geography of the Sphaerotheridae (Diplopoda). *Symposia of the Zoological Society of London* **32**: 41–52.
- JONES, S. 1937. On two new South Indian Pselaphognathous Diplopods. *Zoologischer Anzeiger* **119**: 138–146.
- KARSCH, F. 1881. Neue Juliden des Berliner Museums, als Prodomus einer Juliden Monographie. *Zeitschrift für die Gesamtenh Naturwissenschaften* **54**: 1–79.
- KOCH, C. L. 1847. System der Myriapoden In: Herrich-Schäffer, ed., *Kritische Revision der Insecten-fauna Deutschlands* **3**: 1–196.
- 1863. Die Myriapoden. Getreu nach der Natur abgebildet und beschrieben **1**: 1–134. **2**: 1–12. Halle.
- 1865. Beschreibung neue Arachniden and Myriapoden. *Verhandlungen der Zoologisch-Botanischen Gesellschaft*. **15**: 857–892.
- KRABBE, E. 1982. Systematik der Spirostreptidae (Diplopoda, Spirostreptomorpha). *Abhandlungen des Naturwissenschaftlichen Vereins in Hamburg*. Hamburg: Verlag Paul Parey.
- KRAUS, O. 1958a. Myriapoden aus Ostafrika (Tanganyika Territory). *Veröffentlichungen der Überseemuseum Bremen A* **3** (1): 1–16.
- 1958b. Diplopoden aus Angola. *Publicações Culturais da Companhia de Diamantes de Angola* **38**: 47–84.
- 1960. Äthiopische Diplopoden I. Monographie der Odontopygidae=Odontopyginae (Diplopoda, Spirostreptoidea). *Annales du Musée Royal du Congo Belge Tervuren* **82**: 7–207.
- 1966. Phylogonie, Chorologie und Systematik der Odontopygoideen (Diplopoda, Spirostreptomorpha). *Abhandlungen der Senckenbergischen Naturforschenden Gesellschaft* **512**: 1–143.
- LATZEL, R. 1884. *Die Myriapoden der Österreichisch-Ungarischen Monarchie*. Vol. 2. Die Symphylen, Pauropoden und Diplopoden. Wien.
- LAWRENCE, R. F. 1938. Transvaal Museum expedition to South-West Africa and Little Namaqualand, May to August, 1937. Myriapoda. *Annals of the Transvaal Museum* **19** (2): 127–230.
- 1952. Variation in the leg number of a South African millipede, *Gymnostreptus pyrrocephalus* C. Koch. *Annals and Magazine of Natural History* **12** (5): 1044–1051.
- 1953. A revision of the Polydesmoidea of Natal and Zululand. *Annals of the Natal Museum* **12** (3): 291–350.
- 1958. Contributions to the Myriapod fauna of Natal and Zululand. *Annals of the Natal Museum* **14** (2): 279–301.
- 1959. A collection of Arachnida and Myriapoda from the Transvaal Museum. *Annals of the Transvaal Museum* **23** (4): 363–386.
- 1962. New Polydesmoidea (Diplopoda) from South Africa. *Annals of the Natal Museum* **15** (14): 141–165.
- 1963. New Myriapoda from Southern Africa. *Annals of the Natal Museum* **15** (23): 297–318.
- 1965. New Spirostreptidae and Harpagophoridae (Diplopoda) from Southern Africa. *Memórias do Instituto de Investigação Científica de Moçambique* **7**: 23–61.
- 1966. The Myriapoda of the Kruger National Park. *Zoologica Africana* **2** (2): 225–262.

- . 1967. The Spiroboloidea (Diplopoda) of the eastern half of Southern Africa. *Annals of the Natal Museum* **18** (3): 607–646.
- . 1969. Four new forest millipedes from Lesotho and the eastern Cape. *Annals of the Cape Provincial Museums* **8** (5): 49–55.
- . 1973. A revision of the Trachystreptinae (Diplopoda) of southern Africa. *Arnoldia* **6** (4): 1–6.
- LEACH, W. E. 1815. A tabular view of the external characters of four classes of animals, which Linné arranged under Insecta. *Transactions of the Linnean Society of London* **11**: 306–400.
- MANFREDI, P. 1936. Miriapodi della Somalia italiana, Diplopodi. *Atti della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale* **75**: 243–262.
- . 1939. Myriapoda. Missione Biol. Paese dei Borana. *Atti della Reale Accademia d'Italia. Rendiconti delle Classe di Scienze Fisiche, Matematiche e Naturali* **3** (2): 275–302.
- MARQUET, M. L. & CONDÉ, B. 1950. Contribution à la connaissance des diplopodes penicillales d'Afrique et de la région maecasse. *Mémoires de l'Institut Scientifique de Madagascar* **4** (1): 114–134.
- MATOZZO, G. 1882. Les Myriapodes d'Afriques au Museum de Lisbonne. *Jornal de Sciencias Mathematicas, Physicas e Naturaes* **31**: 188–196.
- MAURIES, J. P. 1975. Spirostreptides (Myriapodes-Diplopoda) de Guayane française. Description de deux genres nouveaux. Compléments aux diagnoses des Types d'espèces sud-américaines. *Bulletin de Musée National d'Histoire Naturelle 3e série Paris* **333** (235): 1257–1275.
- MENGE, A. 1854. In: Koch, C. L. & Berendt, G. C., eds, *Die im ernstein befindlichen Crustaceen, Myriapoden, arachniden und Apteren der Vorwelt*.
- MWABVU, T. 1997. Millipedes in small-scale farming systems in Zimbabwe: abundance and diversity (Diplopoda, Spirostreptida). *Entomologica Scandinavica Supplements* **51**: 287–290.
- NEWPORT, G. 1844. A list of species of Myriapoda, Order Chilognaths, contained in the cabinets of the British Museum with descriptions of a new genus and 31 new species. *Annals and Magazine of Natural History* **1** (13): 263–270.
- NGUYEN DUY-JACQUEMIN, M. & CONDÉ, B. 1967. Morphologie et Géonémie du genre *Monographis* Attems. *Mitteilungen aus den Hamburgischen Zoologischen Museum und Institut* **64**: 43–81.
- Peters, W. 1855. Über die Myriapoden im allgemeinen und insbesondere über die in Mossambique beobachteten Arten dieser Familie. *Monatsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin*. **75**: 75–79.
- . 1862. Myriapoda. In: Peters, W., ed., *Naturwissenschaftliche Reise nach Mossambique, Zoologie* **5**: 527–552.
- POCOCK, R. I. 1893. Report on the Challenger expedition to the Bermudas. *Annals and Magazine of Natural History*. **6** (11): 121–142.
- . 1894. Chilopoda, Symphyla and Diplopoda from the Malay Archipelago. In: Max Weber, *Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien* **4**: 307–404.
- . 1895. Descriptions of new genera of Zephroniidae, with brief preliminary diagnoses of some new species. *Annals and Magazine of Natural History* **6** (16): 410–415.
- PORAT, C. O. 1872. Myriapoda Africae australis, in Museo Regio Holmiensi asservata, Pars II. Diplopoda. *Öfversigt af Konglicher Vetenskaps-Akademiers Föreläsningar* **29** (5): 3–45.
- . 1876. Om nagra exotiska Myriapoder. *Bihang till Konglicher Svenska Vetenskaps-Akademiers Handlingar*. **4** (7): 1–48.
- . 1893. Myriapoder fran Vest- och Syd-Afrika. *Bihang till Konglicher Svenska Vetenskaps-Akademiers Handlingar Zoologi* **18** (7): 1–51.
- . 1894. Zur Myriapodenfauna Kameruns. *Bihang till Konglicher Svenska Vetenskaps-Akademiers Handlingar Zoologi* **20** (5): 1–90.
- SAUSSURE, H. & ZEHNTNER, L. 1902. Myriapodes de Madagascar. In: Grandidier, A., ed., *Histoire physique, naturelle et politique de Madagascar*. Paris.
- SCHUBART, O. 1934. Tausend füssler oder Myriapoda I: Diplopoda. In: Dahl, ed., *Die Tierwelt Deutschlands und der angrenzenden Meeressteile nach ihren Merkmalen und nach ihrer Lebensweise* **28**: 1–318.
- . 1951. Über einige Diplopoden vom Bergmassiv Air in der Süd-Sahara, gesammelt von L. Chopard und A. Villiers im Jahre 1947. *Bulletin de l'Institut Française d'Afrique Noire* **13** (1): 116–125.
- . 1956. Diplopoda I: Protospermophora, In: Hanström, B., Brinck, P. & Rudebeck, G., eds, *South African Animal Life* **3**: 12–86.
- . 1958a. Diplopoda II: Oniscomorpha, In: Hanström, B., Brinck, P. & Rudebeck, G., eds, *South African Animal Life* **5**: 41–108.
- . 1958b. Sobre alguns Diplopoda da Serra do Cachimbo no sul do Estado da Pará. *Anais da Academia Brasileira de Ciencias* **29**: 309–318.
- . 1960. Ein weiterer beitrage zur diplopoden-fauna Marokkos. *Bulletin de la Société des Sciences Naturelles et Physiques du Maroc* **40** (3): 159–232.

- 1966. Diplopoda III. Pselognatha, Opisthospermophora, Colobognatha, zugleich Addenda und allgemeine Bemerkungen. In: Hanström, B., Brinck, P. & Rudebeck, G., eds, *South African Animal Life* 12: 9–227.
- SCUDDER, S. H. 1885. Myriapoda, In: Zittel, ed., *Handbuch der Paläontologie* 2: 721–731.
- SHELLEY, R. M. & CRAWFORD, C. S. 1996. *Cnemodesmus riparius*, n.sp., a riparian millipede from the Namib Desert, Africa (Polydesmida: Paradoxosomatidae). *Myriapodologica* 4 (1): 1–8.
- SILVESTRI, F. 1895. Esplorazione del Guiba e dei suoi Affluenti compiuta dal Cap. V. Bottego durante gli anni 1892–93 sotto gli auspicii della Società Geographica Italiani. Risultati Zoologici. 17 Chilopodi e Diplopodi. *Annali del Museo Civico di Storia Naturale Giacomo Doria* 35: 481–490.
- 1896a. *Diplopodi. I. Systematica*. Tipografia R. Istituto Sordo-Muti. Genova.
- 1896b. Nuovi Diplopodi raccolti dal Rev. Luiga Jalla a Kazungula. *Bollettino dei Musei di Zoologia Anatomia Comparata della R. Università di Torino* 11 (257): 1–4.
- 1897a. Neue Diplophen. Abhandlungen und Berichte der Kaiserliche Zoologischen und Anthropologischen-Ethnologischen Museum zu Dresden 6 (9): 1–20.
- 1897b. Descriptions des espèces nouvelles de Myriapodes du Musée d'Histoire Naturelle de Bruxelles. *Annales de la Société Royale Zoologique de Belgique* 41: 345–362.
- 1897c. Viaggio del Dott. A. Borelli nel Chaco boliviano e nella Republica Argentina. IV. Chilopodi et Diplopodi. *Bollettino dei Musei di Zoologia ed Anatomia Comparata della R. Università di Torino* 12 (383): 1–11.
- 1900. Nuore genere di Polyxenidae. *Zoologische Anzeiger* 23: 113–114.
- 1910. Materiali per una revisione dei Diplopoda Oniscomorpha. Specie del genere *Sphaerotherium* dell'Africa meridionale a me note. *Bollettino del Laboratorio di Zoologia Generale Agraria della Facoltà Agraria in Portici* 4: 180–220.
- 1923. Notzia della presenza del genere *Synxenus* (Myriapoda, Diplopoda) in Calalogna e discrizione di quattro species. *Publications de la junta de Ciències Naturals de Barcelona* 4 (5): 5–15.
- 1948a. Travola sinottica dei generidei Diplopoda Penicillata. *Bollettino del Laboratorio di Entomologia Agraria di Portici* 8: 214–220.
- 1948b. Diplophen Penicillitorum (Arthropoda, Myriapoda). Specierum novarum descriptio *Publicações Culturais da Companhia de Diamantes de Angola* 6: 23–27.
- VERHOEFF, K. W. 1901. Über die Gonopoden von *Odontopyge* und eine n. sp. d. g. *Zoologischer Anzeiger* 24 (656): 665–672.
- 1924. Über Myriapoden von Juan Fernandez und der Osterinsel. In: Skottsberg, ed., *The Natural History of Easter Island* 3: 401–418.
- 1926. Klasse Diplopoda. In: Bronn, H. G., ed., *Klassen und Ordnungen des Teir-Reichs, wissenschaftlich dargestellt in Wort und Bild*. 5 (2, 1-2): 1–2084.
- 1936. Die Sphaerotrachopidae der südlichen Halbkugel und ihre Beziehungen. *Zoologische Anzeiger* 114: 1–14.
- 1937. A new genus of Colobognatha from the Cape Peninsula. *Annals of the South African Museum* 32 (3): 117–124.
- 1938. Über Diplophen des Zoologischen Museums in München. *Zoologische Jahrbücher. Abteilung für Systematik* 71: 1–54.
- 1939a. Über die Chorzognathen aus dem Zoologischen Museum in München. *Zoologischer Anzeiger* 124: 303–320.
- 1939b. Über Südafrikanische Polydesmoideen. *Annals of the Natal Museum* 9 (2): 173–201.
- 1939c. Polydesmoideen, Colobognathen und Geophilomorphen aus Sudafrica, besonders den Drakensbergen, Natal. *Annals of the Natal Museum* 9 (2): 203–220.
- 1940a. Aliquid novi ex Africa I. Polydesmoidea und Colobognatha. *Zoologischer Anzeiger* 130: 104–119.
- 1940b. Aliquid novi ex Afrika II. Zur kenntnis der südafrikanischen *Gnomeskelus*. *Zoologischer Anzeiger* 131: 10–18.
- 1941a. Myriapoden der Insel Fernando Po. Beitrag zu den wissen-schaftlichen ergebnissen der Forschungsreise. H. Eidmanns nach Spanisch-Guinea 1939/40. 1. Spirostreptoidea. *Zoologischer Anzeiger* 136: 33–45.
- 1941b. Studien an Äthiopischen Diplophen. *Jenaische Zeitschrift für Naturwissenschaft*. 73: 231–274.
- VOGES, E. 1878. Beiträge zur Kenntnis der Iuliden. *Zeitschrift für Wissenschaftliche Zoologie* 31: 127–194.
- WARREN, E. 1934. On the male genital system and spermatazoa of certain millipedes. *Annals of the Natal Museum* 7 (3): 351–402.

INDEX

A

<i>acanthophorus</i> – <i>Chaleponcus</i>	57
<i>aculeatus#</i> – <i>Habrodesmus</i>	27
<i>aculeatus</i> – <i>Podochresimus</i>	26
<i>acuminatus</i> – <i>Phygoxerotes</i>	38
<i>addoensis</i> – <i>Spinotarsus</i>	61
<i>adumbratus#</i> – <i>Spirostreptus</i>	53
<i>aequalis#</i> – <i>Odontopyge</i>	68
<i>affinis</i> – <i>Rhopaloskelus</i> ; <i>Gnomeskelus</i>	37
<i>alatipes</i> – <i>Habrodesmus</i> ?; <i>Dythymus</i>	26
<i>alatus</i> – <i>Phaeodesmus</i> ; <i>Podochresimus</i>	25
<i>albitarsus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	39
<i>alluaudi</i> cf – <i>Saroxenus</i>	14
<i>alokopyga</i> – <i>Harpagophora</i>	54
<i>alticola</i> – <i>Sphaerotherium</i>	15
<i>ambiguus</i> – <i>Patinatus</i>	59
<i>ancillare</i> – <i>Sphaerotherium</i>	15
<i>angelicus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	39
<i>angulicollis#</i> – <i>Spirostreptus</i>	53
<i>anguliferus</i> – <i>Spinotarsus</i>	61
<i>annulatus#</i> – <i>Spirostreptus</i>	53
<i>annulipes</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	47
<i>anodontus#</i> – <i>Spirostreptus</i>	53
<i>anodontus</i> – <i>Ulodesmus</i>	23
<i>anoncopygum#</i> – <i>Solenozophyllum</i>	68
<i>anulatus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	39
<i>apertus</i> – <i>Spinotarsus</i>	61
<i>apicale</i> – <i>Sphaerotherium</i>	15
<i>arator</i> – <i>Gnomeskelus</i>	28
<i>arcuatus</i> – <i>Gnomeskelus</i>	28
<i>arcuosus</i> – <i>Spirobolus</i>	43
<i>armiger</i> – <i>Gnomeskelus</i>	29
<i>asuturalis</i> – <i>Julomorpha</i>	44
<i>atrophus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	39
<i>attemsi*</i> – <i>Aethiopistreptus</i> (<i>Archispirostreptus gigas</i>)	46
<i>attemsi</i> – <i>Burinia</i> ; <i>Burenia</i>	21
<i>attemsi*</i> – <i>Gnomeskelus</i> (<i>G. attemsi</i>)	29
<i>attemsi*</i> – <i>Odontopyge</i> (<i>Heliochetus dimidiatus</i>)	59
<i>attemsi</i> – <i>Patinatus</i>	60
<i>attemsi</i> – <i>Gnomeskelus</i>	29
<i>attenuatus#</i> – <i>Spirostreptus</i>	57
<i>auriculatus</i> – <i>Gnomeskelus</i>	29
<i>australis</i> – <i>Kartinikus</i> ; <i>Epistreptus</i>	50
<i>australis</i> – <i>Poratophilus</i>	55
<i>avirostris</i> – <i>Spinotarsus</i>	61

B

<i>bacillifer</i> – <i>Gnomeskelus</i>	29
<i>barbertonensis</i> – <i>Patinatus</i>	60
<i>basuticus</i> – <i>Gnomeskelus</i>	29
<i>biconus</i> – <i>Ulodesmus</i>	23
<i>bicornis</i> – <i>Gnomeskelus</i>	29
<i>bicuspidata#</i> – <i>Odontopyge</i>	68
<i>bicuspidatus</i> – <i>Spinotarsus</i>	61
<i>bidentatus</i> – <i>Patinatus</i>	60
<i>bifalcatus</i> – <i>Ischnocaffrus</i> ; <i>Philocaffrus</i> ..	35
<i>bifidus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	39

<i>bifurcatus</i> – <i>Gnomeskelus</i>	29
<i>bilobatus</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	47
<i>binodifer#</i> – <i>Odontopyge</i>	68
<i>biseriatus</i> – <i>Rhopaloskelus</i> ; <i>Gnomeskelus</i>	37
<i>bispinosus</i> – <i>Ulodesmus</i>	23
<i>boerium</i> – <i>Sphaerotherium</i>	15
<i>bombycinus</i> – <i>Camaricoproctus</i>	46
<i>bovinus</i> – <i>Patinatus</i>	60
<i>braunsi</i> – <i>Stenauchenia</i>	37
<i>brevicornis#</i> – <i>Spirostreptus</i>	53
<i>brevilobata</i> – <i>Zinophora</i>	55
<i>brevilobatus*</i> – <i>Poratophilus</i> (<i>Zinophora</i> <i>brevilobata</i>)	55
<i>brevipes</i> – <i>Gnomeskelus</i>	29
<i>brevispina</i> – <i>Zinophora</i> ; <i>Philoporatia</i>	55
<i>brincki</i> – <i>Gnomeskelus</i>	29
<i>brincki</i> – <i>Bicoxidens</i>	46
<i>britannicus</i> – <i>Cylindroiulus</i>	69
<i>broadleyi</i> – <i>Microbolus</i>	43
<i>bruggenorum</i> – <i>Spinotarsus</i>	61
<i>bullata*</i> – <i>Odontopyge</i> (<i>Spinotarsus</i> <i>bullatus</i>)	62
<i>bullatinus</i> – <i>Spinotarsus</i>	61
<i>bullatoides</i> – <i>Spinotarsus</i>	61
<i>bullatus</i> – <i>Spinotarsus</i>	62
<i>burius</i> – <i>Gnomeskelus</i>	29

C

<i>caeca</i> – <i>Harpethrix</i>	35
<i>caffrarius</i> – <i>Neodesmus</i> ; <i>Eurydesmus</i> ; <i>Sphenodesmus</i>	22
<i>cameranii</i> – <i>Lophostreptus</i>	50
<i>camponoti</i> – <i>Vaalogonopus</i>	39
<i>capense</i> – <i>Sphaerotherium</i>	15
<i>capensis</i> – <i>Antiphonus</i>	21
<i>capensis</i> – <i>Peninsularia</i>	35
<i>capensis</i> – <i>Phryssonotus</i> ; <i>Synxenus</i>	14
<i>capensis</i> – <i>Podochresimus</i>	26
<i>capensis#</i> – <i>Spirostreptus</i>	53
<i>capricornis</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	48
<i>capucinus</i> – <i>Chaleponcus</i>	57
<i>capucinus</i> – <i>Patinatus</i>	60
<i>carinatus</i> – <i>Calostreptus</i>	46
<i>carli</i> – <i>Synophryostreptus</i> ; <i>Lophostreptus</i> ; <i>Krugerostreptus</i>	52
<i>castaneus</i> – <i>Spinotarsus</i>	62
<i>castaneus</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	48
<i>catractae</i> – <i>Ectodesmus</i> ; <i>Phaeodesmus</i> ..	25
<i>celer</i> – <i>Julomorpha</i>	44
<i>cephalotes*</i> – <i>Spirostreptus</i> (<i>Doratogonus</i> <i>stylifer</i>)	49
<i>ceresinus</i> – <i>Gnomeskelus</i>	29
<i>cicur</i> – <i>Julomorpha</i>	44
<i>cinctellum</i> – <i>Sphaerotherium</i>	16
<i>circulipes</i> – <i>Gnomeskelus</i>	29
<i>circulus</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	48
<i>circulus</i> – <i>Antiphonus</i>	21
<i>civicum</i> – <i>Sphaerotherium</i>	16
<i>clavatus</i> – <i>Gnomeskelus</i>	29

<i>clavatus</i> # – <i>Spirostreptus</i>	57	<i>Helikochetus</i>	59
<i>claviger</i> – <i>Trematocaffrus</i> ;		<i>dingaanus</i> – <i>Spinotarsus</i>	62
<i>Polydesmus</i>	37	<i>dingonum</i> – <i>Sphaerotherium</i>	16
<i>coarctatus</i> # – <i>Spirostreptus</i>	53	<i>diphialephorus</i> * – <i>Scaphiostreptus</i>	
<i>colosseus</i> – <i>Spinotarsus</i> ; <i>Haplothysanus</i> ..	62	(<i>Orthoporoides</i> ? <i>poculifer</i>)	53
<i>commune</i> – <i>Sphaerotherium</i>	16	<i>diploconus</i> – <i>Antiphonus</i>	22
<i>compacta</i> – <i>Julomorpha</i>	44	<i>diplocrada</i> – <i>Harpagophora</i>	54
<i>complex</i> – <i>Allawrencius</i>	27	<i>diplodonta</i> – <i>Zinophora</i> ; <i>Philoporatia</i>	55
<i>compressum</i> * – <i>Sphaerotherium</i>		<i>diplodontus</i> * – <i>Poratophilus</i> (<i>Zinophora</i>	
(<i>S.trichopygum</i>)	19	<i>diplodonta</i>)	55
<i>conatus</i> – <i>Antiphonus</i>	21	<i>discalceatus</i> – <i>Chaleponcus</i>	58
<i>conatus</i> – <i>Archispirostreptus</i> ;		<i>disparatidens</i> – <i>Camaricoproctus</i>	47
<i>Trienostreptus</i>	45	<i>dissimilis</i> – <i>Alloporus</i>	53
<i>concothor</i> * – <i>Orthoporus</i> ;		<i>diutokenus</i> – <i>Harpagophora</i>	54
<i>Gymnostreptus</i> (<i>Orthoporoides</i> ?		<i>divisus</i> – <i>Dendrocaffrus</i> ; <i>Philocaffrus</i>	28
<i>poculifer</i>)	53	<i>dolabrata</i> * – <i>Odontopyge</i> (<i>Chaleponcus</i>	
<i>concors</i> – <i>Stenjulomorpha</i> ; <i>Julomorpha</i> ..	45	<i>dolabratus</i>)	58
<i>coniferus</i> – <i>Sphaerotherium</i>	16	<i>dolabratus</i> – <i>Chaleponcus</i>	58
<i>conjungens</i> – <i>Podochresimus</i>	26	<i>dolbratinus</i> – <i>Chaleponcus</i>	58
<i>convexitarsus</i> – <i>Sphaerotherium</i>	16	<i>dorsale</i> – <i>Sphaerotherium</i>	16
<i>coriaceus</i> – <i>Centrobolus</i> ; <i>Spirobolus</i> ;		<i>dorsalis</i> * – <i>Zephronia</i>	
<i>Chersastus</i>	39	(<i>Sphaerotherium dorsale</i>)	16
<i>coronatus</i> – <i>Phygoxerotes</i>	38	<i>dorsaloide</i> – <i>Sphaerotherium</i>	16
<i>corrugatus</i> – <i>Orthoporoides</i> ;		<i>drummondicus</i> – <i>Spinotarsus</i>	63
<i>Gymnostreptus</i> ; <i>Orthoporus</i>	50	<i>dubius</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	40
<i>corvinus</i> # – <i>Spirostreptus</i>	53	<i>durbanensis</i> – <i>Spinotarsus</i>	63
<i>costatus</i> – <i>Spinotarsus</i> ; <i>Helikochetus</i>	62	<i>durbanica</i> * – <i>Odontopyge</i> (<i>Chaleponcus</i>	
<i>crassicollis</i> – <i>Hadrobolus</i> ; <i>Spirobolus</i>	43	<i>durbanicus</i>)	58
<i>crinitus</i> – <i>Hemiphygoxerotes</i> ;		<i>durbanicus</i> – <i>Chaleponcus</i>	58
<i>Phygoxerotes</i>	35	<i>dutoiti</i> – <i>Julomorpha</i>	44
<i>cristulatus</i> – <i>Doratogonus</i> ;			
<i>Spirostreptus</i>	48	E	
<i>cryptodesmoides</i> – <i>Platytarrus</i>	36	<i>edentulus</i> – <i>Gnomeskelus</i>	30
<i>cultrifer</i> – <i>Ulodesmus</i>	23	<i>elator</i> – <i>Spinotarsus</i>	63
<i>curvatus</i> – <i>Spinotarsus</i>	62	<i>elegans</i> – <i>Spinotarsus</i>	63
<i>cuspidosus</i> – <i>Spinotarsus</i>	62	<i>elegans</i> * – <i>Julus</i> ; <i>Spirobolus</i> ; <i>Chersastus</i>	
<i>cyclocanthus</i> – <i>Gnomeskelus</i>	29	(<i>Centrobolus anulatus</i>)	39
<i>cyniceps</i> – <i>Gnomeskelus</i>	30	<i>elizabethae</i> – <i>Gnomeskelus</i>	30
<i>cylindraceum</i> * – <i>Strongylosoma</i>		<i>elizabethae</i> * – <i>Chersastus</i> (<i>Centrobolus</i>	
(<i>Podochresimus capensis</i>)	26	<i>litoralis</i>)	41
		<i>elongatissimum</i> – <i>Nematozonium</i>	20
D		<i>elongatum</i> # – <i>Sphaerotherium</i>	20
<i>debile</i> * – <i>Ardiophyllum</i> (<i>Spinotarsus</i>		<i>engeli</i> – <i>Dendrocaffrus</i> ; <i>Philocaffrus</i>	28
<i>debilis</i>)	62	<i>eremita</i> – <i>Sphaerotherium</i>	17
<i>debilis</i> – <i>Spinotarsus</i>	62	<i>erythropareius</i> # – <i>Spirostreptus</i>	57
<i>debilis</i> – <i>Ulodesmus</i>	23	<i>erythroproctus</i> * – <i>Chersastus</i>	
<i>decoratus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	40	(<i>Centrobolus litoralis</i>)	41
<i>delagoanus</i> – <i>Chaleponcus</i> ;		<i>eucalyptophilum</i> – <i>Sphaerotherium</i>	17
<i>Storthophorus</i>	57	<i>excelsus</i> – <i>Platytarrus</i>	36
<i>denticulatus</i> – <i>Spinotarsus</i> ;		<i>exquisita</i> # – <i>Odontopyge</i>	68
<i>Storthophorus</i> ; <i>Chaleponcus</i>	62		
<i>denticulatus</i> – <i>Ulodesmus</i>	23	F	
<i>denticuliferus</i> – <i>Spinotarsus</i>	62	<i>falcatus</i> * – <i>Alloporus</i> (<i>Doratogonus</i>	
<i>dentipes</i> – <i>Gnomeskelus</i>	30	<i>subpartitus</i>)	49
<i>destitutus</i> – <i>Philocaffrus</i>	36	<i>falcatus</i> * – <i>Spirobolus</i> (<i>Centrobolus</i>	
<i>destructus</i> – <i>Spinotarsus</i>	62	<i>saussurii</i>)	42
<i>dicrothrix</i> – <i>Sphaerotherium</i>	16	<i>falcicollis</i> # – <i>Spirostreptus</i>	57
<i>digitatus</i> – <i>Chaleponcus</i>	58	<i>falcifer</i> * – <i>Gnomeskelus</i> (<i>Cnomeskelus</i>	
<i>digrammus</i> – <i>Centrobolus</i> ; <i>Spirobolus</i> ;		<i>tuberosus</i>)	34
<i>Chersastus</i>	40	<i>fasciatus</i> * – <i>Chersastus</i> (<i>Centrobolus</i>	
<i>dimidiatus</i> – <i>Helicochaetus</i> ; <i>Spirostreptus</i> ;		<i>digrammus</i>)	40

<i>fasciatus</i> * – <i>Spirostreptus</i> (<i>Doratogonus stylifer</i>).....	49	H	
<i>fiedleri</i> – <i>Spinotarsus</i>	63	<i>hamifer</i> – <i>Orthoporoides</i> ;	
<i>filum</i> – <i>Nematozonium</i>	20	<i>Scaphiostreptus</i>	50
<i>fitsimoni</i> – <i>Gnomeskelus</i>	30	<i>hamuliger</i> – <i>Gnomeskelus</i>	31
<i>flavicollis</i> – <i>Bicoxidens</i>	46	<i>hanglip</i> – <i>Chaleponcus</i>	58
<i>flavifilis</i> – <i>Doratogonus</i> ; <i>Spirostreptus</i> ;		<i>hanstromi</i> – <i>Sphaerotherium</i>	17
<i>Alloporus</i>	48	<i>harpagonifer</i> – <i>Gnomeskelus</i>	31
<i>flavifrons</i> # – <i>Spirostreptus</i>	57	<i>hereronia</i> * – <i>Odontopyge</i> (<i>Chaleponcus hereroinus</i>).....	58
<i>flavofasciatus</i> # – <i>Spirostreptus</i>	53	<i>hereroinus</i> – <i>Chaleponcus</i>	58
<i>flavotaeniata</i> # – <i>Odontopyge</i>	68	<i>heros</i> # – <i>Spirostreptus</i>	53
<i>fluvialis</i> – <i>Gnomeskelus</i>	30	<i>hewitti</i> – <i>Gnomeskelus</i>	31
<i>fonticinus</i> * – <i>Podochresimus</i> (<i>P.fruticinus</i>).....	26	<i>hilaris</i> – <i>Julomorpha</i>	44
<i>forcipifer</i> – <i>Gnomeskelus</i>	30	<i>hluluwensis</i> – <i>Spinotarsus</i> ; <i>Chaleponcus</i>	63
<i>formicinus</i> – <i>Schubartina</i>	37	<i>horrificus</i> – <i>Pseudothelydesmus</i>	36
<i>formosus</i> – <i>Centrobolus</i> ; <i>Spirobolus</i> ;		<i>hospitii</i> – <i>Spinotarsus</i>	63
<i>Chersastus</i>	40	<i>hottentotus</i> – <i>Doryskelus</i>	28
<i>fortis</i> – <i>Julomorpha</i>	44	<i>hystrix</i> * – <i>Phryssonotus</i> ;	
<i>fossor</i> – <i>Ulodesmus</i>	23	<i>Schindalmonotus</i> ; <i>Synxenus</i> (<i>Phryssonotus capensis</i>).....	14
<i>foveolata</i> # – <i>Odontopyge</i>	68	I	
<i>frequens</i> * – <i>Charactopygus</i> ;		<i>ignava</i> – <i>Julomorpha</i>	44
<i>Scaphiostreptus</i> (<i>Kartnikus australis</i>).....	50	<i>immaculatus</i> – <i>Centrobolus</i> ;	
<i>fruticinus</i> – <i>Podochresimus</i>	26	<i>Chersastus</i>	40
<i>fulgidus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	40	<i>incisus</i> – <i>Allawrencius</i>	27
<i>fulvum</i> – <i>Sphaerotherium</i>	17	<i>incurvipes</i> – <i>Ulodesmus</i>	23
<i>furculatus</i> – <i>Gnomeskelus</i>	30	<i>inermis</i> – <i>Gnomeskelus</i>	31
<i>furculifer</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	48	<i>inermis</i> – <i>Patinatius</i>	60
<i>fuscus</i> – <i>Proteroiulus</i>	69	<i>inermis</i> – <i>Spinotarsus</i> ; <i>Odontopyge</i>	64
G		<i>ingwavuma</i> – <i>Spinotarsus</i>	64
<i>giganteum</i> – <i>Sphaerotherium</i>	17	<i>inscriptus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	40
<i>gigas</i> – <i>Archispirostreptus</i> ;		<i>intermedium</i> – <i>Sphaerotherium</i>	17
<i>Spirostreptus Graphidostreptus</i>	45	<i>inyanga</i> – <i>Chaleponcus</i>	58
<i>glaber</i> – <i>Gnomeskelus</i>	30	<i>inyanganus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	40
<i>glabrus</i> – <i>Spinotarsus</i>	63	J	
<i>gladiator</i> – <i>Allawrencius</i>	27	<i>jaculator</i> – <i>Gnomeskelus</i>	31
<i>globifer</i> – <i>Gnomeskelus</i>	30	<i>jallae</i> # – <i>Odontopyge</i>	68
<i>globulatus</i> – <i>Gnomeskelus</i>	30	<i>jallae</i> # – <i>Spirostreptus</i>	54
<i>glomeratus</i> – <i>Spinotarsus</i>	63	<i>johnsensis</i> – <i>Spinotarsus</i>	64
<i>gonoarthrodus</i> – <i>Gnomeskelus</i>	30	<i>junodi</i> – <i>Zinophora</i> ; <i>Poratophilus</i> ;	
<i>gorongozae</i> – <i>Hoffmanina</i> ;		<i>Philoporatia</i>	55
<i>Orthomorpha</i>	25	<i>juvenis</i> – <i>Neodesmus</i>	22
<i>gorongozensis</i> – <i>Ctenoiulus</i> ;		K	
<i>Solenozophyllaria</i>	59	<i>kambianus</i> – <i>Gnomeskelus</i>	31
<i>gorteri</i> – <i>Poratophilus</i>	55	<i>kentaniensis</i> – <i>Spinotarsus</i>	64
<i>gracile</i> – <i>Rhynchomecogaster</i>	21	<i>kinbergi</i> – <i>Julomorpha</i>	44
<i>gracilicornis</i> # – <i>Odontopyge</i>	68	<i>kitharistes</i> – <i>Sphaerotherium</i>	17
<i>gracilidens</i> – <i>Camaricoproctus</i>	47	<i>klugii</i> # – <i>Sphaerotherium</i>	20
<i>gracilis</i> – <i>Orthomorpha</i>	69	<i>kranskopensis</i> – <i>Spinotarsus</i>	64
<i>gracilis</i> – <i>Spinotarsus</i> ; <i>Helicochetus</i>	63	<i>krausi</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	48
<i>gracilis</i> # – <i>Spirostreptus</i>	53	<i>krausi</i> – <i>Spinotarsus</i>	64
<i>graeffi</i> # – <i>Spirostreptus</i>	54	<i>krausi</i> – <i>Gnomeskelus</i>	31
<i>graemi</i> – <i>Gnomeskelus</i>	31	<i>kruegeri</i> – <i>Spinotarsus</i>	64
<i>grandis</i> – <i>Bicoxidens</i>	46	<i>kruegeri</i> – <i>Triaenostreptus</i>	52
<i>grandis</i> – <i>Spinotarsus</i>	63	<i>kruegeri</i> – <i>Gnomeskelus</i>	31
<i>granulatum</i> – <i>Sphaerotherium</i>	17	<i>kruegeri</i> – <i>Sphaerotherium</i>	17
<i>grossum</i> # – <i>Sphaerotherium</i>	20	<i>kruegeri</i> * – <i>Triaenostreptus</i> (<i>T.kruegeri</i>)....	52
<i>guduensis</i> – <i>Platyarrus</i>	36	<i>kynatorhabdus</i> – <i>Triaenostreptus</i>	52
<i>guerinii</i> – <i>Oranomorpha</i>	69		

L		
<i>laccatus</i> – <i>Orthoporoides</i> ;		
<i>Scaphiostreptus</i> ; <i>Orthoporus</i>	50	
<i>laevigatus</i> – <i>Gnomeskelus</i>	31	
<i>laevigatus</i> – <i>Trematocaffrus</i> ;		
<i>Polydesmus</i>	38	
<i>laminata</i> – <i>Zinophora</i> ; <i>Philoporatia</i>	56	
<i>lanceolatus</i> – <i>Spinotarsus</i>	64	
<i>larvatus</i> – <i>Gnomeskelus</i>	31	
<i>laticollis</i> * – <i>Aulodesmus</i>		
(<i>A. mossambicus</i>)	22	
<i>laticollis</i> # – <i>Spirostreptus</i>	54	
<i>latzeli</i> – <i>Gnomeskelus</i>	31	
<i>lawrencei</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	40	
<i>lawrencei</i> – <i>Cylichnogaster</i>	21	
<i>lawrencei</i> – <i>Gnomeskelus</i>	31	
<i>lawrencei</i> – <i>Propolyxenus</i>	14	
<i>lawrencei</i> – <i>Rhynchomecogaster</i>	21	
<i>lawrencei</i> – <i>Tzitzikamina</i>	38	
<i>lawrencei</i> – <i>Ulodesmus</i>	23	
<i>leptoproctus</i> # – <i>Odontopyge</i>	68	
<i>leve</i> – <i>Kylindotherium</i>	20	
<i>levifolius</i> – <i>Heliocochetus</i>	59	
<i>levifrons</i> – <i>Spinotarsus</i> ;		
<i>Storthophorus</i> ; <i>Chaleponcus</i>	64	
<i>levigatus</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	48	
<i>levis</i> – <i>Harpagophora</i>	54	
<i>liberale</i> * – <i>Ardiophyllum</i>		
(<i>Spinotarsus liberalis</i>)	64	
<i>liberalis</i> – <i>Spinotarsus</i>	64	
<i>lichtensteinii</i> # – <i>Sphaerotherium</i>	20	
<i>limbatus</i> – <i>Chaleponcus</i>	58	
<i>limbatus</i> # – <i>Spirostreptus</i>	54	
<i>lineatus</i> – <i>Spinotarsus</i>	64	
<i>litoralis</i> – <i>Centrobolus</i> ; <i>Spirobolus</i> ;		
<i>Chersastus</i>	41	
<i>lobatus</i> – <i>Spinotarsus</i>	64	
<i>lobuliferus</i> – <i>Spinotarsus</i>	64	
<i>londinensis</i> – <i>Spinotarsus</i>	65	
<i>longiconus</i> * – <i>Scaphiostreptus</i>		
(<i>Orthoporoides</i> ? <i>poculifer</i>)	53	
<i>longipes</i> – <i>Phaeodesmus</i> ; <i>Orthomorpha</i>	26	
<i>longius</i> # – <i>Plagiotaphrus</i>	51	
<i>longisetosus</i> – <i>Rhopaloskelus</i>	37	
<i>luctuosus</i> – <i>Centrobolus</i> ; <i>Spirobolus</i>	41	
<i>lugubris</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	41	
M		
<i>macrodontus</i> – <i>Ulodesmus</i>	23	
<i>macrotis</i> * – <i>Spirostreptus</i>		
(<i>Doratogonus stylifer</i>)	49	
<i>macrotis</i> * – <i>Spirostreptus</i> ?		
(<i>S. semilunaris</i>)	53	
<i>magnus</i> – <i>Spinotarsus</i>	65	
<i>mahaium</i> – <i>Sphaerotherium</i>	17	
<i>major</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	48	
<i>major</i> – <i>Ulodesmus</i>	23	
<i>malayicus</i> * – <i>Thyropygus</i> (<i>T. pachyurus</i>)	57	
<i>malleolus</i> – <i>Spinotarsus</i>	65	
<i>margatensis</i> – <i>Ulodesmus</i>	23	
<i>marginatus</i> # – <i>Spirostreptus</i>	57	
<i>maritimus</i> – <i>Gnomeskelus</i>	31	
<i>maritzburgensis</i> – <i>Spinotarsus</i>	65	
<i>masienensis</i> – <i>Spinotarsus</i> ; <i>Chaleponcus</i> ..	65	
<i>matabele</i> – <i>Bicoxidens</i> ; <i>Rhodesiostreptus</i> ..	46	
<i>matabelinum</i> * – <i>Ardiophyllum</i>		
(<i>Spinotarsus matabelinus</i>)	65	
<i>matabelinus</i> – <i>Spinotarsus</i>	65	
<i>mazongwanus</i> – <i>Spinotarsus</i>	65	
<i>medius</i> – <i>Gnomeskelus</i>	32	
<i>meinerti</i> # – <i>Spirostreptus</i>	57	
<i>melanopus</i> # – <i>Spirostreptus</i>	53	
<i>melanopygus</i> # – <i>Spirostreptus</i>	54	
<i>mertensi</i> – <i>Spinotarsus</i>	65	
<i>micramma</i> – <i>Ulodesmus</i>	23	
<i>microporams</i> # – <i>Urotropis</i>	53	
<i>microstictum</i> # – <i>Sphaerotherium</i>	20	
<i>millepunctatum</i> – <i>Sphaerotherium</i>	17	
<i>milliquingentesimum</i> – <i>Pagioprium</i> ?	27	
<i>miniatomaculatus</i> – <i>Centrobolus</i> ;		
<i>Chersastus</i>	41	
<i>minor</i> – <i>Drakensius</i>	28	
<i>minor</i> – <i>Rhopaloskelus</i> ; <i>Gnomeskelus</i>	37	
<i>minor</i> – <i>Zinophora</i> ; <i>Poratophilus</i>	56	
<i>minutus</i> – <i>Attemsodesmus</i>	27	
<i>mirificus</i> – <i>Typhloxenus</i>	15	
<i>mixtus</i> * – <i>Gnomeskelus</i> (<i>Vanhoeffenia</i>		
<i>nodulosa</i>)	38	
<i>modestum</i> – <i>Sphaerotherium</i>	17	
<i>modestus</i> – <i>Spinotarsus</i> ; <i>Haplothysanus</i> ..	65	
<i>modestus</i> – <i>Typhloxenus</i>	15	
<i>mokhotlongensis</i> – <i>Poratophilus</i>	55	
<i>monodus</i> – <i>Harpagophora</i>	54	
<i>montana</i> – <i>Julomorpha</i>	44	
<i>montifelis</i> – <i>Gnomeskelus</i>	32	
<i>monticola</i> # – <i>Sphaerotherium</i>	20	
<i>montivagus</i> – <i>Gnomeskelus</i>	32	
<i>moreleti</i> – <i>Ommatoiulus</i>	69	
<i>mossambicense</i> – <i>Epibolus</i> ; <i>Metiche</i>	43	
<i>mossambicus</i> – <i>Aulodesmus</i> ; <i>Polydesmus</i>		
<i>Eurydesmus</i>	22	
<i>mossambicus</i> * – <i>Eurydesmus</i> (<i>Neodesmus</i>		
<i>juvenis</i>)	22	
<i>mossambicus</i> – <i>Neodesmus</i>	22	
<i>mossambiquensis</i> – <i>Chaleponcus</i>	58	
<i>msalaensis</i> * – <i>Spirostreptus</i>		
(<i>Archispirostreptus gigas</i>)	46	
<i>multidentatus</i> – <i>Gnomeskelus</i>	32	
<i>munda</i> – <i>Zinophora</i>	56	
<i>mundus</i> # – <i>Spirobolus</i>	44	
<i>munroi</i> – <i>Ulodesmus</i>	24	
<i>myrmecophilus</i> – <i>Phygoxerotes</i>	38	
N		
<i>nanus</i> – <i>Gonokollesis</i>	28	
<i>narcissei</i> – <i>Sphaerotherium</i>	18	
<i>nasuta</i> * – <i>Burenia</i> (<i>Burinia nasutus</i>)	21	
<i>nasutus</i> – <i>Burinia</i> ; <i>Burenia</i>	21	
<i>natalensis</i> – <i>Ulodesmus</i>	24	
<i>natalica</i> * – <i>Odontopygista</i> (<i>Patinatus</i>		
<i>natalicus</i>)	60	
<i>natalicus</i> – <i>Gnomeskelus</i>	32	

<i>natalicus</i> – <i>Patinatus</i>	60	<i>Chersastus</i>	41
<i>natalicus</i> – <i>Spinotarsus</i> ; <i>Chaleponcus</i>	65	<i>poculifer</i> # – <i>Orthoporus</i> ;	
<i>niger</i> – <i>Chaleponcus</i>	58	<i>Gymnostreptus</i> ; <i>Scaphiostreptus</i>	53
<i>niger</i> – <i>Habrodesmus</i> ?; <i>Phaeodesmus</i>	26	<i>polechancus</i> – <i>Chaleponcus</i>	58
<i>nigerrimus</i> – <i>Bicoxids</i>	46	<i>polydesmoides</i> – <i>Philocaffrus</i>	36
<i>nigra</i> – <i>Harpagophora</i>	54	<i>polydesmoides</i> – <i>Platytarrus</i> ;	
<i>nigricornis</i> – <i>Cylichnogaster</i>	21	<i>Platytarropus</i>	36
<i>nigritarse</i> – <i>Sphaerotherium</i>	18	<i>polyodus</i> – <i>Harpagophora</i>	54
<i>nigrum</i> # – <i>Sphaerotherium</i>	20	<i>pontifex</i> – <i>Orthoporoides</i> ; <i>Gymnostreptus</i> ;	
<i>nodulosa</i> – <i>Vanhoeffenia</i>	38	<i>Orthoporus</i>	50
<i>nodulosus</i> – <i>Allawrencius</i>	27	<i>preatexta</i> # – <i>Odontopyge</i>	68
<i>nodulosus</i> – <i>Phygoxerotes</i>	38	<i>pretorianus</i> – <i>Poratophilus</i>	
<i>notatus</i> # – <i>Spirostreptus</i>	53	(<i>nomen nudem</i>)	57
O		<i>pretorianus</i> – <i>Spinotarsus</i>	66
<i>obtusum</i> # – <i>Sphaerotherium</i>	20	<i>pretorianus</i> – <i>Ulodesmus</i>	24
<i>ochropygialis</i> – <i>Zinophora</i> ; <i>Poratophilus</i>	56	<i>procerus</i> * – <i>Spirostreptus</i>	
<i>ortholacis</i> – <i>Patinatus</i>	60	(<i>Archispirostreptus gigas</i>)	46
<i>olifantis</i> – <i>Spinotarsus</i>	65	<i>processiger</i> – <i>Gnomeskelus</i>	32
<i>opistheurus</i> * – <i>Spirostreptus</i>		<i>promontorius</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	41
(<i>Archispirostreptus gigas</i>)	46	<i>propinquus</i> – <i>Ulodesmus</i>	24
<i>origensis</i> – <i>Gnomeskelus</i>	32	<i>proximus</i> – <i>Phygoxerotes</i>	38
<i>ornata</i> * – <i>Odontopyge</i> (<i>Spinotarsus</i>		<i>pubescens</i> * – <i>Sphaerotherium</i>	
<i>ornatus</i>)	65	(<i>S.rotundatum</i>)	18
<i>ornatus</i> – <i>Spinotarsus</i> ; <i>Spirostreptus</i>	65	<i>pugnifer</i> – <i>Gnomeskelus</i>	32
<i>orthurus</i> * – <i>Thyropygus</i> (<i>T.pachyurus</i>)	57	<i>pulchellum</i> – <i>Prionopetalum</i>	61
<i>oschei</i> – <i>Chaleponcus</i>	58	<i>punctata</i> – <i>Zinophora</i> ; <i>Philoporatia</i>	56
<i>outeniqua</i> – <i>Gnomeskelus</i>	32	<i>punctatum</i> # – <i>Sphaerotherium</i>	20
<i>oxygonus</i> – <i>Aulodesmus</i> ; <i>Eurydesmus</i> ;		<i>punctatum</i> # – <i>Strongylosoma</i>	27
<i>Omodesmus</i>	22	<i>punctatus</i> * – <i>Poratophilus</i>	
P		(<i>Zinophora punctata</i>)	56
<i>pachysoma</i> # – <i>Spirostreptus</i>	57	<i>punctatus</i> – <i>Synophryostreptus</i> ; <i>Tibiozus</i>	52
<i>pachyurus</i> – <i>Thyropygus</i> ?	57	<i>puncticauda</i> # – <i>Odontopyge</i>	68
<i>pallicauda</i> – <i>Spinotarsus</i>	66	<i>puncticeps</i> # – <i>Oligaspis</i>	20
<i>pallida</i> – <i>Julomorpha</i>	44	<i>punctulatum</i> – <i>Sphaerotherium</i> ;	
<i>panda</i> – <i>Stenjulomorpha</i> ; <i>Julomorpha</i>	45	<i>Natalobelum</i>	18
<i>papillatus</i> – <i>Spinotarsus</i>	66	<i>pusilla</i> # – <i>Odontopyge</i>	68
<i>parvus</i> – <i>Spinotarsus</i>	66	<i>pusillis</i> – <i>Brachyiulus</i>	69
<i>pauciannulatus</i> – <i>Camaricoproctus</i>	47	<i>pusillus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	41
<i>penicillata</i> – <i>Stenjulomorpha</i> ;		<i>pusillis</i> – <i>Spinotarsus</i>	66
<i>Julomorpha</i>	45	<i>puteinus</i> – <i>Gnomeskelus</i>	32
<i>penicillatus</i> – <i>Gnomeskelus</i>	32	<i>puverea</i> * – <i>Zephronia</i> (<i>Sphaerotherium</i>	
<i>perarmatus</i> – <i>Aulodesmus</i>	22	<i>dorsale</i>)	16
<i>perbrincki</i> – <i>Sphaerotherium</i>	18	<i>pyrhocephalus</i> – <i>Orthoporoides</i>	
<i>peregrinus</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	48	<i>Archispirostreptus</i> ;	
<i>perexiguus</i> – <i>Habrodesmus</i> ?	26	<i>Gymnostreptus</i> ; <i>Scaphiostreptus</i> ;	
<i>peringueyi</i> – <i>Aulodesmus</i>	22	<i>Orthoporus</i>	51
<i>permodestum</i> – <i>Sphaerotherium</i>	18	<i>pyrrhocephalus</i> * – <i>Spirostreptus</i> ;	
<i>petersi</i> – <i>Trienostreptus</i> ; <i>Spirostreptus</i>	52	<i>Gymnostreptus</i> (<i>Orthoporoides</i>	
<i>petersii</i> – <i>Gnomeskelus</i>	32	<i>pyrhocephalus</i>)	51
<i>pieternmaritzburgensis</i> – <i>Rhopaloskelus</i>	37	Q	
<i>pinnatum</i> – <i>Sphaerotherium</i>	18	<i>qachasnekensis</i> – <i>Platytarrus</i>	36
<i>piriensis</i> – <i>Spinotarsus</i>	66	R	
<i>plagiarium</i> – <i>Sphaerotherium</i>	18	<i>ramosus</i> – <i>Phygoxerotes</i>	38
<i>plana</i> – <i>Harpethrix</i>	35	<i>ratonipsus</i> – <i>Spinotarsus</i>	66
<i>planidens</i> – <i>Camaricoproctus</i>	47	<i>repandus</i> * – <i>Gnomeskelus</i> (<i>Vanhoeffenia</i>	
<i>plumaceus</i> * – <i>Spirostreptus</i>		<i>nodulosa</i>)	38
(<i>Archispirostreptus gigas</i>)	46	<i>republicanus</i> * – <i>Podochresimus</i>	
<i>pluridens</i> – <i>Ulodesmus</i>	24	(<i>P.capensis</i>)	26
<i>pococki</i> – <i>Centrobolus</i> ; <i>Spirobolus</i> ;		<i>repulsum</i> # – <i>Sphaerotherium</i>	20

<i>retrusus</i> – <i>Gnomeskelus</i>	32	<i>serratus</i> # – <i>Haplothysanus</i>	68
<i>retusum</i> * – <i>Sphaerotherium</i> (<i>S.dorsale</i>)....	16	<i>serratus</i> – <i>Platytarropus</i>	36
<i>rhodesianus</i> – <i>Aklerobunus</i> ;		<i>setiger</i> * – <i>Polydesmus</i> (<i>Trematocaffrus</i>	
<i>Habrodesmus</i> ; <i>Matebelopus</i>	25	<i>claviger</i>).....	37
<i>rhodesianus</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	49	<i>setosus</i> – <i>Doratogonus</i> ; <i>Spirostreptus</i> ;	
<i>rhodesianus</i> – <i>Phyllogonostreptus</i> ?.....	57	<i>Alloporus</i>	49
<i>rhodesianus</i> – <i>Spinotarsus</i>	66	<i>setosus uncinatus</i> * – <i>Doratogonus</i> ;	
<i>rhodobates</i> – <i>Gnomeskelus</i>	32	<i>Alloporus</i> (<i>D.cristulatus</i>).....	48
<i>richardi</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	41	<i>setosus</i> – <i>Gnomeskelus</i>	33
<i>richmondus</i> – <i>Patinatius</i>	60	<i>silvanus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	42
<i>riparius</i> – <i>Cnemodesmus</i>	25	<i>silvarum</i> – <i>Spinotarsus</i>	66
<i>rixosa</i> – <i>Stenjulomorpha</i> ; <i>Julomorpha</i>	45	<i>silvaticus</i> – <i>Gnomeskelus</i>	33
<i>robusta</i> – <i>Zinophora</i> ; <i>Philoporatia</i>	56	<i>silvicolens</i> – <i>Spinotarsus</i>	66
<i>robustus</i> * – <i>Poratophilus</i>		<i>similare</i> – <i>Sphaerotherium</i>	18
(<i>Zinophora robusta</i>).....	56	<i>similis</i> – <i>Zinophora</i> ; <i>Poratophilus</i> ;	
<i>robustus</i> – <i>Spinotarsus</i>	66	<i>Philoporatia</i>	56
<i>robustus</i> – <i>Ulodesmus</i>	24	<i>simplex</i> – <i>Ulodesmus</i>	24
<i>rostrum</i> – <i>Spinotarsus</i>	66	<i>singulus</i> – <i>Ulodesmus</i>	24
<i>rotundatum</i> – <i>Sphaerotherium</i>	18	<i>skukuzae</i> – <i>Gnomeskelus</i>	33
<i>rotundatus</i> # – <i>Spirostreptus</i>	54	<i>skukuzicus</i> – <i>Spinotarsus</i>	66
<i>ruber</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	41	<i>solitarius</i> – <i>Spinotarsus</i> ; <i>Chaleponcus</i>	66
<i>rubricollis</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	42	<i>solitarium</i> – <i>Sphaerotherium</i>	19
<i>rubrofasciatus</i> * – <i>Chersastus</i>		<i>spathulatus</i> – <i>Chaleponcus</i>	59
(<i>Centrobolus anulatus</i>).....	39	<i>spectabilis</i> – <i>Gnomeskelus</i>	33
<i>rudebecki</i> – <i>Gnomeskelus</i>	33	<i>spiculifer</i> – <i>Gnomeskelus</i>	33
<i>rudebecki</i> – <i>Sphaerotherium</i>	18	<i>spinatum</i> – <i>Sphaerotherium</i>	19
<i>rudis</i> – <i>Julomorpha</i>	45	<i>spinifer</i> – <i>Gnomeskelus</i>	33
<i>ruficeps</i> # – <i>Spirostreptus</i>	53	<i>spiralipes</i> – <i>Ulodesmus</i>	24
<i>rugifrons</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	49	<i>spirobolina</i> – <i>Harpagophora</i>	55
<i>rugosostriatus</i> – <i>Synophryostreptus</i> ;		<i>spirobolinus</i> * – <i>Spirostreptus</i>	
<i>Krugerostreptus</i> ; <i>Lophostreptus</i>	52	(<i>Harpagophora spirobolina</i>).....	55
<i>rugulosum</i> # – <i>Sphaerotherium</i>	20	<i>splendidus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	42
<i>rugulosus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	42	<i>staminifer</i> – <i>Ischnocaffrus</i> ; <i>Philocaffrus</i> ..	35
<i>rustica</i> * – <i>Odontopyge</i> ; <i>Odontopygista</i>		<i>steppense</i> – <i>Sphaerotherium</i>	19
(<i>Patinatius rusticus</i>).....	60	<i>striatus</i> – <i>Spinotarsus</i>	67
<i>rusticus</i> – <i>Patinatius</i>	60	<i>strigosus</i> – <i>Centrobolus</i> ; <i>Spirobolus</i> ;	
		<i>Chersastus</i>	42
S		<i>striolatus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	42
<i>sabulosa</i> – <i>Zinophora</i> ; <i>Philoporatia</i>	56	<i>striolatus</i> – <i>Spinotarsus</i>	67
<i>sabulosoides</i> * – <i>Spirobolus</i> (<i>Centrobolus</i>		<i>stuckenbergi</i> – <i>Gnomeskelus</i>	33
<i>digrammus</i>).....	40	<i>stylifer</i> – <i>Doratogonus</i> ; <i>Spirostreptus</i> ;	
<i>sabulosus</i> * – <i>Poratophilus</i> (<i>Zinophora</i>		<i>Otostreptus</i> ; <i>Alloporus</i>	49
<i>sabulosa</i>).....	56	<i>subdorsale</i> – <i>Sphaerotherium</i>	19
<i>saginatius</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	42	<i>submite</i> – <i>Sphaerotherium</i>	19
<i>sanguineomarginatus</i> – <i>Centrobolus</i> ;		<i>subpartitus</i> – <i>Doratogonus</i> ; <i>Spirostretus</i> ..	49
<i>Chersastus</i>	42	<i>subterraneus</i> – <i>Gnomeskelus</i>	33
<i>sanguinipes</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	42	<i>subtropicus</i> – <i>Phaeodesmus</i>	26
<i>sataraensis</i> – <i>Chaleponcus</i>	59	<i>swartkopensis</i> – <i>Spinotarsus</i>	67
<i>saussurei</i> * – <i>Spirobolus</i> ; <i>Chersastus</i>		<i>swazianus</i> – <i>Gnomeskelus</i>	33
(<i>Centrobolus saussurii</i>).....	42	<i>swazius</i> – <i>Gnomeskelus</i>	33
<i>saussurii</i> – <i>Centrobolus</i> ; <i>Spirobolus</i>	42		
<i>schubarti</i> – <i>Ulodesmus</i>	24	T	
<i>schultzei</i> – <i>Chilexenus</i> ; <i>Monographis</i>	14	<i>tabulinus</i> – <i>Orthoporoides</i> ;	
<i>schultzei</i> * – <i>Julomorpha</i> (<i>J.kinbergi</i>).....	44	<i>Gymnostreptus</i> ; <i>Scaphiostreptus</i> ;	
<i>securifer</i> – <i>Ulodesmus</i>	24	<i>Orthoporus</i>	51
<i>selindum</i> – <i>Sphaerotherium</i>	18	<i>tarda</i> – <i>Julomorpha</i>	45
<i>semicylindricus</i> * – <i>Spirostreptus</i>		<i>tembulicus</i> – <i>Gnomeskelus</i>	34
(<i>Archispirostreptus gigas</i>).....	46	<i>tenuipes</i> – <i>Gnomeskelus</i>	34
<i>semiflavus</i> – <i>Habrodesmus</i> ?.....	27	<i>tenuis</i> – <i>Spinotarsus</i>	67
<i>semilunaris</i> # – <i>Spirostreptus</i>	53	<i>tenuitarse</i> – <i>Sphaerotherium</i>	19
<i>serratus</i> – <i>Gnomeskelus</i>	33	<i>teres</i> – <i>Allawrencius</i> ; <i>Philocaffrus</i>	27

<i>tereticornis</i> – <i>Gnomeskelus</i>	34	<i>tugelanus</i> – <i>Gnomeskelus</i>	35
<i>terrea</i> * – <i>Odontopygista</i> (<i>Patinatus</i> <i>terreus</i>).....	60	<i>tumididens</i> – <i>Camaricoproctus</i>	47
<i>terreus</i> – <i>Patinatus</i> ; <i>Chaleponcus</i>	60	<i>tzitzikama</i> – <i>Perbrinckiella</i>	35
<i>terreus</i> – <i>Rhopaloskelus</i> ; <i>Gnomeskelus</i>	37	<i>tzitzikamum</i> – <i>Sphaerotherium</i>	19
<i>tessellatus</i> * – <i>Spirobolus</i> (<i>Centrobolus</i> <i>litoralis</i>).....	41	U	
<i>titanophilus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	42	<i>ulopygus</i> – <i>Lophostreptus</i>	50
<i>tomentosum</i> – <i>Sphaerotherium</i>	19	<i>umgeni</i> – <i>Spinotarsus</i>	67
<i>torquidens</i> – <i>Camaricoproctus</i>	47	<i>umtata</i> – <i>Spinotarsus</i>	67
<i>transkei</i> – <i>Spinotarsus</i>	67	<i>unciger</i> – <i>Triaenostreptus</i>	52
<i>transkeicus</i> – <i>Patinatus</i>	61	<i>uncinatus</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	49
<i>transvaalensis</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	49	<i>unicus</i> – <i>Spinotarsus</i>	68
<i>transvaalensis</i> – <i>Ulodesmus</i>	25	<i>unistolonus</i> – <i>Podochresimus</i>	26
<i>transvaalicus</i> # – <i>Alloporus</i>	53	V	
<i>transvaalicus</i> – <i>Camaricoproctus</i>	47	<i>validus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	43
<i>transvaalicus</i> – <i>Centrobolus</i> ; <i>Chersastus</i> .	43	<i>validus</i> # – <i>Spirostreptus</i>	54
<i>transvaalicus</i> – <i>Gnomeskelus</i>	34	<i>vallatus</i> – <i>Spinotarsus</i> ; <i>Storihophorus</i> ; <i>Chaleponcus</i>	68
<i>triangulosellus</i> – <i>Spinotarsus</i>	67	<i>vastus</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	43
<i>triangulosus</i> – <i>Spinotarsus</i>	67	<i>verrucosus</i> – <i>Allawrencius</i>	28
<i>trichardti</i> – <i>Gnomeskelus</i>	34	<i>viride</i> * – <i>Sphaerotherium</i> (<i>S. rotundatum</i>) .	18
<i>trichopygum</i> – <i>Sphaerotherium</i> ; <i>Bournellum</i>	19	<i>viridus</i> – <i>Spinotarsus</i>	68
<i>tricolor</i> – <i>Centrobolus</i> ; <i>Chersastus</i>	43	<i>vulneratus</i> – <i>Spinotarsus</i>	68
<i>tridens</i> – <i>Spinotarsus</i>	67	<i>vulpinus</i> * – <i>Chersastus</i> (<i>Centrobolus</i> <i>ruber</i>).....	41
<i>trifolia</i> * – <i>Odontopyge</i> (<i>Chaleponcus</i> <i>trifolius</i>).....	59	<i>vumbae</i> – <i>Ctenoiulus</i> ; <i>Solenozophyllaria</i> .	59
<i>trifolia discalceata</i> * – <i>Chaleponcus</i> (<i>C.</i> <i>discalceatus</i>).....	58	W	
<i>trifolius</i> – <i>Chaleponcus</i>	59	<i>wahlbergi</i> # – <i>Spirostreptus</i>	53
<i>trifurcatus</i> – <i>Gnomeskelus</i>	34	<i>weberi</i> * – <i>Sphaerotherium</i> (<i>S. weberii</i>)	20
<i>trigonyger</i> # – <i>Spirostreptus</i>	54	<i>weberii</i> – <i>Sphaerotherium</i>	19
<i>triodus</i> – <i>Triaenostreptus</i> ; <i>Spirostreptus</i> ..	52	X	
<i>triordinatus</i> – <i>Allawrencius</i>	27	<i>xanthonotus</i> – <i>Spinotarsus</i>	68
<i>triplicatus</i> # – <i>Spirostreptus</i>	54	<i>xanthopus</i> – <i>Doratogonus</i> ; <i>Alloporus</i>	49
<i>tristis</i> – <i>Julomorpha</i>	45	Z	
<i>tristis</i> – <i>Spinotarsus</i>	67	<i>zonatus</i> * – <i>Spinotarsus</i> (<i>S. grandis</i>)	63
<i>tristriatus</i> – <i>Gnomeskelus</i> ; <i>Pelmatotylus</i> ..	34	<i>zulu</i> – <i>Orthoporoides</i> ; <i>Orthoporus</i>	51
<i>truncorum</i> – <i>Cylindroiulus</i>	69	<i>zuluense</i> – <i>Sphaerotherium</i>	20
<i>tsokwanensis</i> – <i>Spinotarsus</i>	67	<i>zuluina</i> * – <i>Odontopyge</i> (<i>Spinotarsus</i> <i>zuluinus</i>)	68
<i>tuberosum</i> – <i>Sphaerotherium</i>	19	<i>zuluinus</i> – <i>Spinotarsus</i>	68
<i>tuberosus</i> – <i>Gnomeskelus</i>	34		
<i>tubulosus</i> – <i>Spinotarsus</i>	67		
<i>tugela</i> – <i>Spinotarsus</i>	67		